

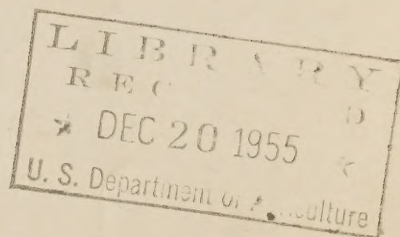
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Catalog of Seeds

Compiled and Collected by

Harry E. Saier

NO. 12. ISSUED for JANUARY 1956.



MY
FORTY FIFTH
YEAR

TWENTY FIVE CENTS

HARRY E. SAIER

Dimondale - Michigan - U. S. A.

BORONIA, VICTORIA, AUSTRALIA.

1890

and C. D. D. D.

1890

1890

CATALOG NO. 12 FOR 1955-6

ISSUED NOVEMBER 1st. 1955.

CHARGE MADE FOR CATALOG.

The costs in getting out a Catalog, such as this, has become very great, even the postage bill amounts to more than the cost of the Catalog, 20 years ago! A charge of 25¢ will be made in the future on all requests; customers of the past year will be sent a copy without charge.

Another issue will be printed about January 1956, the main issue for the Spring; it will contain all the latest additions to date.

HOW TO ORDER.

Too many orders and letters are received with the name or address not plainly written; please print. If the symbols on each seed listing are given, it will make it possible to fill your order quicker.

Remittances of less than \$1.00 can be made in stamps.

Do not write letters on your order; it delays its filling; confuses and tends towards mistakes.

Try to use our regular order blank; it has spaces for our filling records and it use will tend towards a faster service as well as easier to handle.

SYMBOLS USED

In order to give as much information as possible, certain symbols are used. Most of them are commonly used in horticultural books but a few are of our own invention: (C-27) means to see cultural direction number 27, which will be found in the back of the Catalog; if a letter follows the number, then see, also the directions under the letter given. The letters L and D means that germination takes place better if the seed pan is in a dark part of the room and L for light, means that it should be towards the window but never, of course, in direct sunshine; the letters, C and W following these letters means, cool and warm, and in a general way indicate the temperature the seed pan should be kept at; night temperatures, as a rule, should be 5 degrees lower than the day temperature.

The zone number—(IX)—means the approximate section north the plant will stand the winters; refer to the zone map which has been published in the Magazine, in the past.

ABOUT OUR MAGAZINE.

The SAIER GARDEN MAGAZINE is published irregularly during the year, as we have the time to get it out and material accumulates. We expect to print at least 6 during the year. The subscription price is \$2.00 for 12 issues; ask for a sample copy.

AUTRALIAN—NEW ZEALAND BUYERS

The demand for Catalogs was much greater from Australia and New Zealand than we had estimated, which not only exhausted the supply at Boronia, but caught us short here, it being the "dull" season and just before our September issue is being made up; several hundred request thus have not been sent Catalogs but the first copies off the press will be mail them; we are sorry.

Remittances can be sent to me at my Australian branch office at **BORONIA, VICTORIA**. Catalogs can also be secured from there but no seed is carried there. Seed sent to me from either Australia or New Zealand, **does NOT have to carry your nursery-stock certificate**. If your postmaster refuses the package, advise him that these certificates are for living plants and bulbs and not for flower seeds, especially for native seeds of which no possible inspection could be made.

Personal check can be sent from these countries, as they are banked in Australia, and thus conform to your currency regulations. Figure the N. Z. shilling at 14¢ and the Australian shilling at 11¢.

CANADIAN CUSTOMERS

Where it will be of help, personal checks will be accepted at par; 100 cents to the dollar and without any exchange or clearance charges.

ENGLISH CUSTOMERS.

You can send personal checks figured at 14¢ to the shilling; these checks **will be deposited IN ENGLAND**, thus conforming to your currency regulations.

The same applies to **SOUTH AFRICAN CUSTOMERS**.

GERMAN CUSTOMERS.

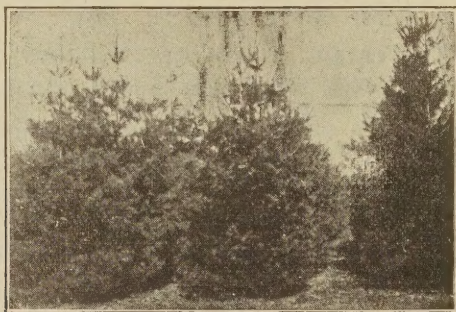
We expect to open a branch office in Kassel, but as this issue goes to press we can not give exact details; however, any remittances can be made to me payable in Kassel thus conforming to the German monetary regulations. Personal checks will be accepted which will be deposited in the Commerz and Credit Bank.

INFORMATION APPRECIATED.

There are a great many cultural hints to be added to the descriptions and any customer growing some special flower of which he or she has considerable experience, should sent in their suggestions; it will help some one to grow better flowers.

HARRY E. SAIER, DIMONDALE, MICHIGAN

FLOWER, TREE AND SHRUB SEEDS



THIS LIST HAS THE LARGEST OFFERING OF TREE AND SHRUB SEED

ABELIA.

(ah-BEAL-ee-tah)

Caprifoliaceae. Showy shrubs thriving in well drained soil, in protected sunny places.

—*Graebneriana*. **ABEL-8. 40¢**
Deciduous sh to 10 ft; pink fls, yellow inside; China.

ABIES.

(AY-bih-eez) **FIR.** Pinaceae. Large evergreen trees, similiar to the Spruces. Sow seed in the spring.

—*balsamea*. **ABIE-4. 30¢**
Balsam Fir; for large lots stratify in sand 3-4 months; sow in fall if possible; new crop seed after Nov; lb. \$6.00.

—*cephalonica*. **ABIE-9. 30¢**
Greek Fir. Greece; (IV). Oz. 50¢; lb. \$4.00.

—*concolor*. **ABIE-12. 30¢**
White Fir. Hardy tree; comes in several forms or varieties. Oz. 50¢; lb. \$4.00.

—*magnifica v shastensis*. **ABIE-35S. 35¢**
Shasta Red Fir. Oz. 75¢; lb. \$5.00.

—*sachalinensis*. **ABIE-52. 50¢**
Sazhalin Fir. N. Japan; very hardy Fir. Oz. 80¢; lb. \$8.00.

—*spectabilis*. **ABIE-55. 30¢**
Himalayan Fir. New crop seed late in the winter; stratify and plant in spring.

—*veitchii*. **ABIE-58. 50¢**
Very hardy; cones bluish purple; suggest treatment as for *A. spectabilis*.

ABRONIA.

(ah-BRAH-ni-ah) Nyctaginaceae. Sand Verbena. Dwarf or trailing plants with pretty white, yellow or pink fragrant flowers. Treat as annuals, sowing seed early indoor for summer bloom; they do better when planted direct in the open ground and in the S seed can be sown in the fall. Remove husk before planting; often slow in germinating; sunny, light soils best.

—*umbellata gr. fl. Rose*. **ABRO-8. 25¢**
Pretty little trailer; 10"; July-Sept; HHA; space 18". Oz. 75¢.

—*villosa*. **ABRO-11. 25¢**
Very simi ilarto *A. umbellata*; Utah. Oz. 90¢.

ABUTILON.

(ab-YEW-til-on) Flowering Maple. Tender plants, most of which are grown indoors. They are easily grown from seed which can be grown out doors during the summer and lifted in the fall; blooms in 90 days; start in March; C-22.

—*hybridum, Mixed*. **ABUT-10X. 50¢**

¼ Oz. \$5.00.

—*maximum, Mixed*. **ABUT-12X. 50¢**

Giant flowered strain. ¼ Oz. \$6.00.

—*vitifolium*. **ABUT-20. 50¢**

Light blue fls; fine for the greenhouse.

ACACIA

(ah-KAY-shah) Leguminosae. They are widely distributed in tropical and warm regions and have many valuable uses; not hardy in the N.; the hard seed coat of some species will stand being placed in the dieing embers of a fire, others germinate well in fresh wood ashes or given a hot water or sulfuric acid treatment; C-22.

—*accola*. **ACAC-2. 40¢**
One of the loveliest of all; loaded down in late winter and early sp. with masses of golden fls; tr. to 20 ft.

—*armata*. **ACAC-7. 30¢**
Kangaroo Thorn. Prickly sh. with very large deep golden fl-balls; 10 ft; used extensively as a large pot plan.

—*aspera*. **ACAC-8. 30¢**
Small sh to 3 ft with course fol; golden yellow fls.

—*Baileyana*. **ACAC-10. 30¢**
Cootamunda Wattle. Most popular of the Silver Wattles; sh or small tr; N. S. W.; silvery, feathery fol; golden fls in great profusion; cut away 1/3 growth after flowering.

—*berlandieri*. **ACAC-14. 50¢**
Small Mexican evergreen tree; yellowish white flowers; no thorns; (VII).

—*brachybotrya*. **ACAC-17. 25¢**
A tall S. Australian shrub.

—*brownii*. **ACAC-18. 40¢**
Lovely dwarf form of Juniperina; deep golden yellow fls; 2 ft; HHSh.

—*calamifolia*. **ACAC-20. 30¢**
Sweet Wallowa A. Thin silver lvs; small gold fls; pods to 9" long; very decorative; has a thin silvery cane-like phyllodes; (IX). 8-10 ft; spreading bush; Australia.

—*cardiophylla*. **ACAC-21. 40¢**
Wyalong Wattle. Beautiful foliage; golden flowers.

—*cultriformis*. **ACAC-26. 40¢**
Knife Wattle. Golden fls; 8 ft; HHSh. unique blue-gray foliage; 15 ft.

—*cyanaphylla*. **ACAC-27. 30¢**
Blue-leaf Wattle. To 18 ft; magnificent tree for park or yard; W. Aust. Oz. 50¢.

—*cyclopis*. **ACAC-28. 40¢**
Spreading 8 ft HHSh; cream fls; summer;

grown in the GH.

—*decurrens*.

ACAC-32. 30¢

Black Wattle. 30 ft; HHSh; spring; golden fls; fine dark green ferny fol; good tub plant; fls in large panicles.

—*mollis*.

ACAC-32M. 25¢

Green Wattle. Tree to 20 ft; lvs yellowish when young; good tub plant; Aust.

—*normalis*.

ACAC-32N. 40¢

Green Wattle. Tree; glabrous lvs; Aust. deep yellow fl-heads.

—*diffusa*

ACAC-35. 30¢

Shrub to 6 ft; S. Australia.

—*discolor*.

ACAC-36. 40¢

Sunshine Wattle. Yellow fls; 8 ft; HHSh.

—*dodonaeifolia*.

ACAC-37. 40¢

Deep golden flowers; spring; 15 ft; HHSh.

—*drummondii*.

ACAC-40. 40¢

Finest dwarf; 4 ft; golden fls; good GH. one of the most beautiful little shrubs imaginable, with soft pinnate lvs.

—*elata*.

ACAC-42. 40¢

Cedar Wattle. Cream fls; 40 ft; HHSh. tallest of the pinnate leaved Acacias; handsome tr; deep moist soil, during summer.

—*Farnesiana*.

ACAC-48. 30¢

Popinac. Thorny shrub; 10 ft; flowers are very fragrant; Texas; HHSh.

—*glandulicarpa*.

ACAC-50. 30¢

(Pyracantha) Hairy Pod Acacia. 1-5 ft.

—*glaucescens*.

ACAC-51. 30¢

Coastal Myall. Yellow, sweet scented; 20 ft; good for the GH.

—*hakioides*.

ACAC-54. 25¢

Small tree or shrub; Australia.

—*iteaphylla*.

ACAC-65. 30¢

Good hedge plant; golden fls; 12 ft; HHSh heads ½ inch across; W. Australia.

—*julibrissin*.

ACAC-69. 30¢

Silk-tree; (Albizia jub.) Seed have a seed coat dormancy and in small plantings it is best to file seed; germination spring. Oz. 50¢; lb. \$2.00.

—*leprosa*.

ACAC-72. 40¢

Weeping; clear yellow fls; N. Z.

—*linifolia v. prominens*.

ACAC-77P. 35¢

Tall sh; fl heads in short racemes; N.S.W.

—*longifolia*.

ACAC-80. 30¢

—*melanoxydon*.

ACAC-90. 40¢

Black-wood. Cream fls; summer; 30 ft. one of the most valuable fancy timber trees; good for shade, too.

—*montana*.

ACAC-92. 30¢

Mallee Wattle. 4-6 ft; Aust.

—*myrifolia*.

ACAC-93. 30¢

Pale yellow; sweet scented; 4 ft; HHSh.

—*pendula*.

ACAC-101. 30¢

Weeping Myall. For dry areas; yellow fls; 15 ft; Aust.

—*podalyriaefolia*.

ACAC-107. 30¢

Queensland Silver Wattle. Tall glaucous sh; fl-heads in long racemes; Queensland.

—*prominens*: see *A. linifolia v. prominens*.

—*pruinosa*.

ACAC-111. 30¢

Spreading HHSh to 20 ft; cream fls.

—*pycnantha*.

ACAC-114. 30¢

Golden Wattle. Finest of all Acacias; shapely; large golden yellow fls; sweet scented; 15 ft; will thrive in only a few inches of soil.

—*regenis*.

ACAC-117. 30¢

—*rigens*.

ACAC-115. 30¢

Nealu Wattle. Tall sh; 9-10 ft.

—*suaveulens*.

ACAC-120. 40¢

Sweet Winter Wattle.

—*verticillata*.

ACAC-140. 30¢

Extremely choice, neat pot shrub or out doors; (VIII); 12 ft; lvs needle-like in whorles around slender stem; yellow-green fls-clusters in great profusion over several months.

—*vestita*.

ACAC-145. 30¢

Weeping Boree. Good for exposed positions; yellow fls; 15 ft; Aust.

—*vittoria*.

ACAC-150. 30¢

A prickly Acacia; to 10 ft; Aust.

—*Mixed*.

ACAC-X. 25¢

A mixture of all species.

ACANTHOCEREUS: see under Cacti.

ACANTHOPANAX. (ak-anth-on-PAN-nax)

Araliaceae. E. Asian shs and trs; fls in umbels followed by blackish berries; ornamental most are hardy in (IV) and (III).

—*ricinifolius*: see *Kalopanax pictus*.

ACANTHUS.

(ah-KAN-thus) Acanthaceae Bear's Breech. Perennials, thistle-like small shs; about 3 ft tall; fls white, rose or lilac on 18" spkles. They need heavy winter protection in the N; best in rich well drained soils. Seed sown in April will flower in August; TP; C-23.

—*mollis v. latifolia*.

ACK-1. 25¢

Broad glossy lvs; curious pale purple fls; HB; C-23; DC .Oz 60¢; lb. \$5.00.

ACER.

MAPLE

(AY-ser) Aceraceae. Street tree as well as for lumber; seed should be planted after collecting but properly stored seed can be planted the following spring; moist mineral soil for seed bed; ½ inch deep; mulch; it takes as much as 2 years in some species for all seed to germinate; order early.

—*Ginnala*.

ACER-26. 50¢

AMUR MAPLE. Seed needs 1-2 months of warm weather, in seed bed, to permit bacterial growth on seed coat but in N it's best to plan on 2 years in the seed bed; seed ripe Sept.-Nov. Order early.

—*glabrum*.

ACER-27. 50¢

Rocky Mt. M. Sh or tr to 25 ft. C.S. Oz. 75¢; lb. \$4.00.

—*grandidentatum*.

ACER-29. 40¢

To 40 ft; tree; Wyo. to N. Mex.

—*japonicum*.

ACER-36. 50¢

Full-moon M. Small tr or sh; fls purple in nodding corymbs; Japan. Oz. 90¢; lb. \$6.00.

—*palmatum*.

ACER-50. 50¢

Japanese M. Sh or tr to 20 ft; pretty. Oz. 90¢; lb. \$6.00.

—*atropurpureum*.

ACER-59A. 50¢

Deep purple leaves. Lb. \$6.00.

—*dissectum*.

ACER-59D. 50¢

Leaves divided to base into pinnately cut lobes. Oz. 60¢; lb. \$8.00.

—*palmatum atropurpureum dissectum*.

ACER-59 D 50¢

JAPANESE MAPLE. New crop seed is late in arriving; suggest stratifying in moist sand at 40 degrees for a month or two, then at 30 degrees till spring; if kept too warm seed may germinate in the sand.

—*Mono*.

ACER-47. 30¢

(A. pictum) Painted Maple. 60 ft; Japan. Oz. 75¢; lb. \$5.00.

—*platanoides*.

ACER-62. 40¢

NORWAY MAPLE. An excellent street tree. Oz. 50¢; lb. \$1.75.

—*saccharinum*.

ACER-73. 40¢

SOFT M. Seed ripe April-June 15th; seed should be planted as soon as possible; shade the seed bed.

—*saccharum*.

ACER-74. 40¢

Sugar Maple. Seed ripe about Oct; if stratified, it must not be too long as germination may occur; sow in spring.

—*spicatum*.

ACER-78. 50¢

MOUNTAIN M. Seed ripe late Sept. to Nov. If too late for fall planting treat as for *A. Ginnala*.

—*tataricum*.

ACER-79. 35¢

Sh or tr to 20 ft; bright red fr in summer.

Start nearly all biennials and perennials up to August 1st; some even later.

ACHILLEA. MILFOIL, YARROW
(ak-ha-LEE ah) Compositae. Yarrow, Milfoil. Hardy herbaceous perennials, easily grown in any fair soil in full sun; flowers in clusters of small heads, white yellow or pink, making good cut-flowers. Seed planted indoors in March will flower same season. They make good border plants. C-23.

—**filpendulina.** ACH-10. 25¢

This has showy round heads; yellow; robust grower; 5 ft; HP.

—**Cloth of Gold.** ACH-10C. 25¢

A pretty golden fl'd var. ½ Oz. \$1.50.

—**alba.** ACH-10W. 25¢

A white flowered variety.

—**Parker's Variety.** ACH-10P. 25¢

A deep orange variety showy in border.

¼ Oz. \$1.75.

—**Fronmuelleri.** ACH-13. 25¢

Hybrid between A. abrotanoides and

Moschnata.

—**Millefolium.** ACH-20. 25¢

Rounded heads of magenta-red fls; 2 ft;

HP. ½ Oz. \$1.00.

—**rosea.** ACH-20P. 25¢

A pretty pink form. ¼ Oz. 70¢.

—**Parmica v. The Pearl.** ACH-24P. 25¢

Double pure white much used as a cut-

flower by the florist; HP. ¼ Oz. \$1.25.

—**Taygetea.** ACH-33. 30¢

A new lemon colored variety; 2-3 ft.

—**White.** ACH-33W. 25¢

—**Achillea Blend.** ACH-X. 20¢

All kinds mixed.

ACIPHYLLA.

(ak-ah-PHIL-ah) Umbelliferae. RG or the

border; perennals; erect growing plants.

—**Colensoi.** ACIP-1. 25¢

New Zealand border plant; white fls;

5 feet; TP.

ACONITUM. ACONITE

(AK-oh-nyt-um) Ranunculaceae. Aconite.

Monkshood. Herbaceous perennials; seed

germinating slowly; sow out doors in May

or June in shady place or they can be start-

ed indoors earlier but plants do not trans-

plant easily; thin to 18" apart; bone mead

is good fertilizer for them; try sowing the

seed in the fall; C-24; DC.

—**Anthora.** ACD-1. 30¢

Pyrenees Monkshood. 2 ft; pale yellow.

—**ferox.** ACD-9. 25¢

Has violet flowers, interior lighter color.

½ Oz. \$2.00.

—**lycoccionum.** ACD-14. 25¢

Wolf'sbane. Hardy; yellow fls; 4 ft; moist

soils; HP; DC. ½ Oz. \$1.50.

—**Napellus.** ACD-16. 35¢

Blue fls; 4 ft; very poisonous; HP. ½

oz. 90¢.

—**palmatum.** ACD-16. 25¢

Blue flowers; 4 ft; HP. Oz. \$2.00.

—**napellus v. praecox.** ACD-16P. 30¢

Blue fls; 2" ac; Himalayan Mts; HP; DF.

ACROCLINIUM: see *Helipterum roseum*.

ACROGEPHALLUS.

—**sericus.** ACRO-1. 30¢

Shrubby compact growth; soft pale blue

fls; 1-2 ft; S. Rhodesia.

ACTAEA. BANEERRY, COHOSH

(ak-TEE-ah) Ranunculaceae. Baneberry

Cohosh. The showy terminal flowers de-

velope into pretty white berries; they are

useful in the rock garden, border or wild

garden, doing best in shady places. Sow

seed in late fall or spring; slow germinat-

ing; herbaceous HP.

—**arguta.** ACTA-2. 25¢

Very hardy; red berries; 2 ft; HP; (III).

(Seed was short this year—expect more.)

—**pachypods alba.** ACTA-6A. 25¢

White Baneberry. 18"; Canada-Ga; HP.

—**rubra.** ACTA-8. 25¢

Red Baneberry. 2 ft; branches crimson-

red; Lab.-N. J; (III).

ACTINEA.

(ak-ti-NE-ah) Compositae. N.Am. plants

related to Helenium; fls yellow; ray and

disk flowers.

—**fastigata.** ACTN-3. 40¢

Lovely small daisies in light gold, 1" ac;

4" tall; HP; (II).

—**simplex.** ACTN-9. 40¢

Brilliant golden daisies; silvery green

rosettes; 10 in.; HP; (II).

ACTINIDIA. (ak-tin-NID-ee-uh)

Dilleniaceae. Attractive shrubby vines with

edible berries; sun or part shade; sow seeds

in the spring.

—**arguta.** ACTD-1. 50¢

Tara Vine. White fls, ¾" ac; sweet fr;

Manchuria. Oz. 95¢; lb. \$8.00.

ACTINOMERIS.

(ak-tin-O-M-er-is) Tall Sunflower-like

active perennials for the hardy border or

wild garden; resembles *Helianthus* and

Verbena; grow like Sunflowers.

—**alternifolia.** ACTI-1. 30¢

ACTINOTUS.

Umbelliferae. Genus of small Australian

plants.

—**Helianthi.** ACTU-2. 25¢

Flannel Flower. Silver gray fol; green

tipped white sepals, surrounding tiny flor-

ets; slow to germ; space 9"; TA; grow as

TA in North.

ADENANTHERA. BEAD TREE

(ad-en-ANTH-er-ah) BEAD TREE. Le-

guminosae. Trees allied to *Mimosa* and

grown for ornament in S or under glass

in the N; soak seed in hot water.

—**pavonina.** ADDN-1. 50¢

Red Sandlewood Tree, Peacock Flower

Fence. White and yellow fls in racemes, 6"

long; seeds are ornamental and used in beads;

(X).

ADENOCARPUS.

(ad-ee-no-CAR-pus) Leguminosae. They

are grown in the GH or in the open in the

S; low shrubs from S. Eu. and Asia Minor.

—**decordicans.** ADEK-1. 30¢

ADENOPHORA. LADY BELLS

(ad-e-NOF-oo-rah) Campanulaceae. Lady

Bells. Erect perennials with fleshy roots;

flowers in shades of violet; they are useful

in the border being grown like *Campanul-*

as; disturb as little as possible.

—**confusa.** ADEN-2. 25¢

Erect; fls deep blue; 1" long; 3 t; HP.

—**Koreana.** ADEN-6. 30¢

—**lilifolia.** ADEN-9. 30¢

Bluish or whitish blue fls; sweet scented;

4 ft; HP.

—**Potaninii.** ADEN-20. 25¢

Bell-sh'd fls in panicles; violet; 3 ft; HP.

—**pajustris.** ADEN-16. 35¢

Fls in spike-like racemes; bluish, bell-

shaped, ¾" ac; (IV).

ADIANTUM: see List under Fern.

ADLUMIA. (ad-LOO-mee-ah)

An attractive biennial vine thriving in

a cool damp site protected from the sun

and wind; plant seeds in the spring.

—**fungosa.** **ADLM-1. 20¢**
(*A. cirrhosa*) Mountain Fringe; Allegheney Vine. Vern-like leaves; white or purplish fls; fr oblong caps. 1/2 Oz. \$1.00.

ADONIS.

(ah-DOH-nis) Ranunculaceae. Pheasants Eye. Hardy herbaceous annuals and perennials; some make good RG plants and grow well in both sun or shade; fls solitary terminal; crimson or scarlet with a dark colored base. Sow seed of all kinds in the fall, best, or in early spring; easily grown; seed slow to germ, keep dark.

—**aestivallis.** **ADON-1. 25¢**
Summer Adonis. Scarlet fls; June-July; 1 1/2 ft; HA; C-2. Oz. 50¢.

—**annua.** **ADON-3. 25¢**
(*A. autumnalis*) Deep red fls with darker center; 3/4" ac; June-Sept; 2 ft; HA. Oz. 60¢.

—**vernalis.** **ADON-9. 40¢**
Spring A. Yellowish fls; 18"; HP; C-24; RG; LC. 1/4 Oz. \$1.50.

AESCULUS. HORSE CHESTNUT

(ESS-kew-lus) Hippocastanaceae. Trees and shrubs; and valued for their dense shade and ornamental flowers; there are some 25 species of which only a few are grown; as a rule the seed should be planted as soon after gathering as possible; seed properly stored can be planted in the spring; germination takes place in spring.

—**Hippocastanum.** **AESC-15. 25¢**
The well known Chestnut Tree; seed ready in Oct; order early. Lb. \$1.25.

—**turbinata.** **AESC-35. 50¢**

AETHIONEMA. STONE CRESS

(eeth-ee-oh-NEE-nuh) Cruciferae. Annuals, biennials and perennials allied to Iberis and hardy up to (IV) zone; they are dwarf plants with flowers in terminal racemes and grown in the rockery or border; May-June; light limey soil; full sun.

NOTE: Seed has been scarce and I have been out much of the time — on all species.

—**armenum.** **AETH-3. 30¢**

Persian Candytuft. Nice form, compact; smothered with pink fls; blue-gray lvs; 6";

—**corcarum.** **AETH-4. 50¢**

—**pulchellum.** **AETH-16. 50¢**

—**saxatile.** **AETH-19. 35¢**

Small pink fls; 1 ft; HP; (V).

—**theodorum.** **AETH-23. 50¢**

Best of all Aethionema species; deep rosy red fls; 10 inches.

AGAPANTHUS Lily-of-the-Nile

(ag-ah-PANTH-us) Liliaceae. Lily-of-the-Nile. Beautiful So. African bulbous plant, easily grown. Not hardy in the North; the bulbs must be stored undors during winter. They make ideal tub plants lasting for yrs.

—**africanus. Mixed.** **AGAP-1X. 30¢**

Mixed varieties and colors; (X).

—**campanulata Hybrids** **AGAP-2H. 40¢**

This may be crossed with *A. africanus* and thus will produce hybrids; Calif.

—**inapertus.** **AGAP-5. 50¢**

Drooping flowers.

—**longianthus.** **AGAP-6. 50¢**

A new species; fls on 4 ft stems; free flowering; compact

—**montana.** **AGAP-7. 50¢**

Lovely semi-dwarf; pale blue fls.

—**orientalis.** **AGAP-8. 50¢**

Large heads of blue fls; 4 ft; S. Cal; (X).

—**alba.** **AGAP-8W. 40¢**

A white flowered variety of the above.

—**Blue Ribbon.** **AGAP-8B. 50¢**

Giant blue form.

AGATHIS.

(AG-ath-iss) Dammar Pine. Araucariaceae. Evergreen tree native of Aust. and N. Z.; (X); C-9..

—**australis.**

AGAT-3. 30¢
One of the most magnificent trees known thrives in poor soils; will stand about 20 deg. Fah. of frost; N. Z.

AGERATUM

(ag-er-A-tum) Compositae. Herbaceous annuals having tassel-like clustered heads; blue, pink or white fls; they are easily grown, are tender in the N and must not be set outdoors till all frost danger is passed. They are useful as edging, in the front border, in porch baskets; where they are to be used for edging, a good strain should be purchased that plants be uniform; C-17.

HOUSTONINUM: This is incorrectly listed as *A. mexicanum*. The commonly grown *Ageratums* all come under this species.

—**Blue Ball.** **AGER-3B. 20¢**

A deep blue ball-shaped plant; compact; 9 inches. 1/4 Oz. \$1.00.

—**Blue Bedder.** **AGER-3C. 20¢**

Lavender-bule; compact; 4 inches; pretty.

1/4 Oz. \$1.00.

—**Blue Cap.** **AGER-3D. 20¢**

Rich blue; domed-shape plant; RG; extra nice variety; 6". 1/4 Oz. \$1.00.

—**Blue Star.** **AGER-3E. 20¢**

Deep blue; 6"; nice edger. 1/2 Oz. 95¢.

—**Dwarf Imperial, White.** **AGER-3RW. 20¢**

Popular bedding sort; strong growth over

1 ft. high. 1/4 Oz. 60¢.

—**Blue.** **AGER-3RS. 20¢**

Strong grower; blue fls; 10". 1/4 Oz. 60¢.

—**Fairy Pink.** **AGER-3Y. 20¢**

Softest salmon-pink; edging or pots; 6".

1/4 Oz. \$1.00.

—**King of the Blues.** **AGER-3F. 25¢**

Low compact plants; deep blue.

—**Little Dorrit.** **AGER-3G. 25¢**

Pretty deep blue; fine for edging and

pots; they bloom all summer; 8". 1/4 oz. 80¢.

—**Market Growers Blue.** **AGER-3MG. 25¢**

Bright medium blue, an excellent cut-

flower strain; stout stems of about 20 inches.

Oz. 60¢; 1/4 lb. \$1.60.

—**White.** **AGER-3GW. 25¢**

A pure white variety. Oz. 80¢.

—**Midgee Blue.** **AGER-3H. 25¢**

2-3 inch plant; compact; fine for edging

where a dwarf plant in needed. 1/4 oz. \$1.00.

—**Purple Perfection.** **AGER-3J. 25¢**

Deepist blue; 9"; fine for boxes or beds.

1/4 Oz. 50¢.

—**Silver Star.** **AGER-3K. 25¢**

Pretty dwarf white; 6". 1/4 Oz. 60¢.

—**Swanley Blue.** **AGER-3L. 25¢**

Azure-blue; thickly bunched; 8". 1/4 oz.

60¢.

—**White Beauty.** **AGER-3P. 25¢**

Considered the best white; 7". 1/4 oz. 60¢

—**White Queen.** **AGER-3M. 25¢**

Pure white; 8"; dandy. 1/4 Oz. 60¢.

—**zuriblau.** **AGER-7. 25¢**

A new Geran variety.

—**Mixed Varieties.** **AGER-X. 20¢**

AGONIS.

(ah-GON-is) Myrtaceae. Willow Myrtle. Aust. sh and trs; fls in dense heads followed by fruits; ornamental; best cut back hard after flowering; does well in limestone areas.

—**flexuosa.** **AGON-2. 50¢**

Willow Myrtle. Scented white fls in

summer; 15 ft; (IX); HHSH or graceful

small tree; good in limestone areas; cut

back hard after flowering.

Do not write letters on your orders, please.

- juniperina*. **AGON-4. 50¢**
A good cut flower; white; 5-20 ft; HHSh.

AGRIMONIA. (ag-ri-MON-ee-ah)
Rosaceae. Agrimony. Erect plants of N temperate zone; fls small, yellow and in racemes; does well in part shade; HP.

- Eupatoria*. **AGRI-1. 25¢**
To 3 ft; HP.
—*odorata*. **AGRI-2. 25¢**
Yellow fls; 3 feet; Europe; HP.
—*parviflora*. **AGRI-4. 30¢**
Long spike-like racemes, small yellow stars; summer; sun or part shade; 30"; HP.

AGROSTEMMA. (ag-ro-STEM-ah)
Caryophyllaceae. Corn Cockle. C-1.

- Githago v Milas*. **AGRS-1M. 25¢**
Out standing introduction with fls 3 times as large as the ordinary Rose of Heaven. The soft lilac-pink fls are over 2" ac and are carried on graceful willowy stems; splendid for cutting; very showy; easily grown; stands wet weather; HA; 3-4 ft.
—Other species: see *Lychnis*.

AGROSTIS. (ah-GROS-tis) Gramineae. A group of tufted annual and perennial ornamental grasses, useful in boquets and in beds.

- nebulosa*. **AGRO-5. 25¢**
Cloud Grass. Dwarf and very neat; start early indoors for early plants; 1 ft; HA.
Ounce \$1.80.
—*puchella*. **AGRO-6. 25¢**
(*Aira capillaris v. puchella*) ½ Oz. 85¢.

AIRA capillaris v. puchella: see *Agrostis*.

AJUGA. (aj-YEW-guh)
Labiateae. Bugle Weed. Herbaceous annuals and perennials suitable for rockery or border. Many blue, rose or white fls in terminal spikes in June.

- australis*. **AJUG-1. 50¢**
Blue fls; for RG; long flowering TP.
(Seed was short this year—expect more.)
—*genevensis*. **AJUG-4. 35¢**
Blue fls; erect plants; 1 ft; HP.

AKEBIA. (ak-KEE-be-ah)
Lardizabalaceae. Hardy twining shrubs; they are neat and attractive vines.

- quinata*. **AKEB-2. 35¢**
FIVE-LEAF. Purple-brown fls; Korea; neat twining vine; hardy. c. s. Oz. 75¢; lb. \$5.00.
—*trifoliata*. **AKEB-3. 30¢**
(*A lobata*) Three-Leaf. China; hardy in N. Oz. 60¢.

ALBIZIA. (al-BIZ-ee-ah) Leguminosae. Germination much as for *Acacia*, which see; seed can be supplied the year round.

- Julibrissin*. **ALBI-1. 30¢**
SILK-TREE. Japan; 30 ft.
—*distachya*. **ALBI-3. 30¢**
Dark green feathery fol; large greenish yellow silky fls on spikes up to 3" long.
(Seed was short this year—expect more.)
—*stipulata*. **ALBI-11. 30¢**
—Mixed. **ALBI-X. 25¢**

ALBUCA. (al-BUC-ah) Bulbous plants with flat basal lvs with large white or yellow fls in racemes. S. Af. natives and hardy only in the South; in the N. bulbs must be stored indoors over the winter months.
—Basutoland species. **ALBU-SP. 50¢**

A delightfully pretty plant from Basutoland with fls like upland Snowdrops; in late spring; 5 inches.

ALECTRYON. (ah-LEC-try-on)
Sapindaceae. N. Z. and Aust. evergreen trees, hardy in the South.

- excelsum*. **ALEC-3. 50¢**
Attractive foliage tree from N. Z. bearing scarlet and black seeds; 20 ft; probably will stand 30 degrees of frost.

ALETTRIS. (AL-et-riss)
Lilaceae. Star Grass. Perennial plants with basal cluster of grass-like lvs; fls small, yellow or white in erect spikes; moist sunny places.

- farinosa*. **ALET-4. 30¢**
Leaves pale yellowish green; 3 ft; fls white; bell-shaped; erect; (IV); HP.

ALISMA. (al-LIS-muh)
Water Plantain. Alismaceae. Aquatics plants; fls in panicles; grown in ponds; germinate seed in water.

- Plantago-aquatica*. **ALIS-2. 40¢**
Fls ½" ac; in panicles; 3 ft; (III)

ALLAMANDA. (al-ah-MAN-dah) Apocynaceae. Shrubs and climbers native of Brazil; easily grown in GH in the N; in the S they thrive in the open; showy purple or yellow fls.

- cathartica*. **ALLA-1. 25¢**
Tall climber; golden yellow fls, 3" ac; Brazil.

ALLIUM

(AL-ee-um) Nearly all those listed are hardy perennials and are attractive in the border, and some in the rockery. Sow seed as for perennials, usually early spring; a rich sandy soil best; full sun. A few species come in dry bulbs in late summer and are listed in the Botanical Bulb List. These are noted as (Bulbs) in following.

- acuminatum*. **ALUM-1. 50¢**
Hooker's Onion. Ideal for RG; May; deep rose-purple to nearly white; 3-6 in. umbels 2-3 in. across.

- albopilosum*. **ALUM-2. 25¢**
Lilac fls in umbels; 8"; dandy; (Bulbs). Bulbs in Sept; see Blub List. C-23.

- ammophyllum*. **ALUM-4. 30¢**
Golden yellow fls; Europe; HP.

- Beesianum*. **ALUM-11. 30¢**
Deep blue fls edged white; in nodding umbels; 18"; HP.

- japonica*. **ALUM-14. 50¢**

- cernuum*. **ALUM-21. 25¢**
Nodding buds; erect fls; lavender to white; May; 1 ft.

- cowanii*. **ALUM-22. 30¢**
—*Farreri*. **ALUM-29. 40¢**
To 1 ft; flowers reddish purple in loose umbels; China.

- fistulosum*. **ALUM-33. 25¢**
Welch or Spanish Onion. White fls; use mainly for eating; HP.

- giganteum*. **ALUM-38. 40¢**
Bright lilac; Central Asia; 4 ft; HP.

- kausuense*. **ALUM-44. 50¢**
Similar to *A. cyaneum* with larger campanulate tubular flowers; Tibet.

- karataviense*. **ALUM-45. 40¢**
Most striking of all Alliums; limestone soil; very hardy; flowers whitish, rose tinged; 4-6" stems; C-23.

- montanum*: see *A. senescens*.

- mutabile*. **ALUM-54. 30¢**
Pink and white fls in umbels; 2 ft; N. C.-Texas; (VIII).

- neopolitanum.** **ALUM-58. 25¢**
Large 3-inch white fls; 1 ft; S. Eu; also offered in bulbs.
- Ostrods kianum.** **ALUM-68. 30¢**
Showy deep pink flowers; May-June; Turkestan. Bulbs in Sept. see Bulb List.
- peninsulare.** **ALUM-72. 25¢**
Rose-purple fls in loose umbels; 1 ft; HP.
- Porrum.** **ALUM-73. 25¢**
Leek. Hardy perennial Onion-like plant.
- praecox.** **ALUM-74. 25¢**
White fls with bright purple mid-vein; 1 ft; HP.
- pulchellum.** **ALUM-75. 40¢**
White fls with a green mid-rib; 1 ft; HP. (Seed was short this year—expect more.)
- pyrenaicum.** **ALUM-78. 25¢**
White fls with a green mid-rib; 3 ft; HP.
- roseum.** **ALUM-81. 25¢**
Rose fls in loose umbels; 18"; HP.
- rubrum.** **ALUM-83. 30¢**
Flowers replaced by reddish bulbels; 1 ft; Rocky Mts; HP.
- Schoenopeasum v. sibiricum.**

CHIVES. Rich purple fls; 1 ft; HP. It is very ornamental, too. **Oz. 75¢.**

- senescens.** **ALUM-90. 25¢**
(A. montanum) Lilac fls in many flowered umbels; 2 ft; Eu; HP.
- Stellerianum.** **ALUM-95. 30¢**
Pink fls in loose umbels; 1 ft; Eu; HP.
- stipitatum.** **ALUM-96. 30¢**
- tanguticum.** **ALUM-99. 30¢**
Bluish lilac with darker mid-rib; dense umbels; HP.
- tibeticum.** **ALUM-102. 35¢**
Deep blue fls; 6"; Tibet; HP.
- triquestrum.** **ALUM-104. 25¢**
Large white fls in loose umbels; 18"; HP. (Seed was short this year—expect more.)
- tuberosum.** **ALUM-105. 25¢**
Leaves not hollow; July-Sept; 18"; HP.
- unifolium.** **ALUM-106. 25¢**
Pink Allium. Calif; 15"; bright rose; HHP.
- ursinum.** **ALUM-108. 50¢**
- Allium Blend.** **ALUM-X. 25¢**
All mixed.

ALLOPLECTUS.

Gesneriaceae. Tropical shrubs; indoor or greenhouse in the North.

- capitatus.** **ALLL-3. 50¢**
Fibrous rooted evergreen plant for warm GH or sunny window; requires same treatment as African Violet or Gloxinias; deep green edged with red; calyx tomato-red, corolla pale yellow; easy grower. (Seed was short this year—expect more.)

ALNUS.

(AL-nus)

Alder. Betulaceae. Deciduous trs and shs, native to moist soils and cool or cold climates; momoecious; sow seed in spring, best.

- cordata.** **ALNU-3. 25¢**
Italian A. Tree to 70 ft. **Oz. 50¢; lb. \$4.00**
- glutinosa.** **ALNU-10. 25¢**
Black A. Tr to 75 ft; **Oz. 50¢; lb. \$3.00.**
- incana.** **ALNU-13. 25¢**
Speckled Alder. Sh or tr to 40 ft; **Oz. 50¢.**
- Lb. \$3.50.**
- japonica.** **ALNU-14. 50¢**
Tree to 70 ft; Japan., **Oz. 75¢; lb. \$5.00.**
- viridis.** **ALNU-30. 25¢**
European Green Alder. Shrub; 6 ft; the cones in racemes. **Oz. 50¢; lb. \$4.00.**

ALOE.

(AL-oh) Liliaceae. Perennial succulent plants native of the Cape; they make nice ornamental pot plants in the N; grow in sandy soil with a little peat and rotted manure and small chunks of old mortar

or lime; keep on dry side; few can stand even a light frost; never insert cutting in the soil, set butt ON soil and stake upright.

- chebandii.** **ALOE-16. 35¢**
Coral red fls; S. Rhodesia.
- excelsia.** **ALOE-24. 30¢**
From S. Rhodesia.
- variegata.** **ALOE-107. 30¢**
(Tiger Aloe) Attractive variegated lvs; most popular. **Seeds about \$1.50 per 100.**

ALONSOA.

MASK FLOWER

(al-on-SOH-ah) Scrophulariaceae. Easily grown in a warm location. Sow seeds indoors in early spring and set after frost danger; for growing indoors in winter, sow in summer and set plants indoors early in the fall, before frost. C-7

- Warscewiczii.** **ALON-7. 25¢**
Cinnabar or scarlet-red; 3 ft; Peru; grow as an annual in N; space 10". **Oz. 80¢.**
- Alonsoa Blend.** **ALON-X. 25¢**

ALSTROEMERIA.

(al-stre-MEE-ri-ah So. American plants grown from tuberous roots that are reateed as bulbs. Rich soil and a sunny position needed. Seed can be planted in pots in Aug. or later, which will bloom the following summer.

- aurantiaca.** **ALST-1. 25¢**
Orange, spotted red; very early; 3 ft; (VI); HP. **½ Oz. \$1.25.**
- augustifolia.** **ALST-1A. 25¢**
Pink, orange or flame; 3 ft; HP.
- Ligtu.** **ALST-5. 25¢**
Pink, red and yellow fls; 2 ft; HP.
- Hybrids.** **ALST-5H. 25¢**
Hybrids of the above species.
- pulchra.** **ALST-5P. 25¢**
This has longer and narrower leaves.
- Pelegrina.** **ALST-6. 25¢**
Lily-of-the-Incas. Pink, spotted purple; very showy; 1 ft; HP.
- alba.** **ALST-6W. 25¢**
A pure white form; very showy; 1 ft.
- Alstroemeria Mixed.** **ALST-X. 25¢**

ALTHAEA.

HOLLYHOCK

(al-THEE-ah) Flowers in terminal erect racemes or spikes; easily grown in any good garden soil. Mostly perennial; the biennials, of which the common Hollyhock is the main subject, can be started in July for flowers the following summer; C-8.

- ficifolia.** **ALTH-3. 25¢**
Fig-leaf Hollyhock. Deep yellow fls; 6 ft; HP.
- rosea:** see under **HOLLYHOCK.** (C-23).

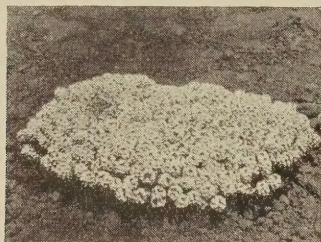
ALYSSUM

(ah-LISS-um) Annuals and perennials, trailing to 1 ft. in height and all showy; the perennials bloom very early in the spring; the annuals during early summer.

MARITIMUM: Under this species are the common annual Alyssum varieties. Botanically they are Lobularia maritima. They are all hardy annuals doing best when started early; they are used in edging or bedding, in pots and baskets as well as the rockery; all low growing and free flowering; C-21.

- Carpet of Snow.** **ALYS-15C. 20¢**
Compact strain; pure white; 3"; HA.
- Snow Cloth.** **ALYS-15S. 2¢0**
Very dwarf; compact; snow-white; 3".
- HA. ½ Oz. 90¢.**
- Little Gem.** **ALYS-15G. 20¢**
Compact 6" pl; pure white. **Oz. \$1.00.**
- Lilac Queen.** **ALYS-15Q. 20¢**
Deep violet; 6"; very pretty. **Oz. \$1.00.**

- Violet Queen.** **ALYS-15V. 20¢**
Uniformly deep violet, compact, fragrant;
6"; HA. ½ oz. 60¢.
- Sweet Maritimum.** **ALYS-15M. 20¢**
Very fragrant; 1 ft; white; useful in
boxes and baskets; HA. Oz. 60¢; lb. \$4.00.
- Mixed Annual Alyssum.** **ALYS-15X. 20¢**
- tetra Snowdrift** **ALYS-15R. 25¢**
NEW giant flowered white. Oz. \$1.25.
- Royal Carpet.** **ALYS-15R. 25¢**
Procumbens; Violet Queen color on a
Snow Cloth plant habit. Oz. \$2.00.



ALYSSUM — Snow Cloth

ALYSSUM SPECIES:

- arduini.** **ALYS-8. 25¢**
—**idaeum.** **ALYS-12. 25¢**
Silvery green foliage; fls whitish; Crete;
HHP.
- lutescens.** **ALYS-16. 25¢**
Yellow for of Lobularia maritima.
Bright yellow, dense panicles; 1 ft; Al-
bania; HP.
- Markgriffii.** **ALYS-17. 30¢**
Bright yellow; dense panicles 1 ft; HP.
(Seed was short this year—expect more.)
- Molelendorffianum.** **ALYS-19. 30¢**
Yellow fls; silvery fol; Bcsnia; 5"; HP.
- montana.** **ALYS-20. 25¢**
Showy trailer; deep yellow fls; 3"; RG.
½ Oz. \$1.80.
- murale.** **ALYS-21. 25¢**
(A. argenteum) Yellow tufts. Dwarf,
15"; silvery fol; deep yellow fls in clus-
tered heads; all summer. Oz. \$1.50.
- orientale.** **ALYS-22. 30¢**
Collected in Albania.
White or pinkish; woody; 1 ft; S. Eu; HP.
- ovirens.** **ALYS-51. 35¢**
Golden yellow fls in umbellata racemes;
6" HP; Cent. Eu.
- pedomontanum.** **ALYS-24. 30¢**
- repens v. Wierzbickii.** **ALYS-27W. 40¢**
Erect stems; large orange fls.
- saxatilis v. Gold Dust.** **ALYS-26G. 2¢**
Golden yellow fls; 4"; April; HP; C-23.
Oz. 90¢.
- argenteum.** **ALYS-26A. 25¢**
Yellow fls; silvery foliage. ½ oz. \$1.50.
- compactum.** **ALYS-26C. 25¢**
A compact strain; masses of yellow fls;
April-May; 1 ft; HP. ½ oz. \$1.00.
- Silver Queen.** **ALYS-26S. 25¢**
Primrose fls; fine for RG; 1 ft; HP.
- sulphureum.** **ALYS-26U. 25¢**
Pretty sulphur-yellow; 1 ft; HP. Oz. \$3.00
- spinosum.** **ALYS-31. 25¢**
Silvery fol; white fls; 1 ft; HP.
- Wierzbickii:** see A. repens.
- Rock Garden Sps Mixed.** **ALYS-34X. 25¢**
Contains perennial species suitable for
the rockery.

AMARANTHUS.

(am-ah-RAN-thus) Annuals native of
mild climates and grown for their colored
foliage and the large red flowers; they are
easily grown and will produce better flow-
ers if grown on poor soil; for that dry bank
these should be fine; full sun; tender; C-7.

- caudatus.** **AMAR-1. 20¢**
Love-lies-bleeding. Long drooping red
fls; 4 ft; space 18"; HA. Oz. 50¢.
- oeschberg.** **AMAR-1B. 20¢**
Erect, dark red fls; HA. Oz. 50¢.
- viridis.** **AMAR-1W. 20¢**
Same but with white fls. Oz. 50¢.
- nanus.** **AMAR-1N. 25¢**
A dwarf form.
- fruticosa.** **AMAR-7. 30¢**
20 ft; fls dark purple in 6" spikes. C.S.
lb. \$1.50.
- hybrid hypochondriacus.** **AMAR-2H. 25¢**
Prince's Feather. Showy; red feather-
like fls; 3 ft; HA. Oz. 50¢.
- Tricolor.** **AMAR-4. 20¢**
Joseph's Coat. Erect; leaves blotched and
colored; 3 ft; HA; space 12". ½ Oz. 70¢.
- salicifolius.** **AMAR-4S. 20¢**
Fountain Plant. Narrow willow-like fol.
brilliantly colored with carmine, crimson
and bronze; fine ornamental fol plant either
for bedding or pots; 18"; Hf.
- Molten Fire.** **AMAR-4F. 20¢**
Maroon foliage, each branch tipped crim-
son; 4 ft; TA. ½ Oz. 75¢.
- Pigmy Torch.** **AMAR-4P. 25¢**
Dark crimson fls; dwarf plant; 1 ft; TA.
Oz. 60¢.
- splendens.** **AMAR-4N. 25¢**
Rich red with brilliant light red foliage
at top of plant.
- Sunrise.** **AMAR-4R. 25¢**
Bronze, crimson and scarlet; 3 ft; TA.
- Amaranthus Blend.** **AMAR-X. 15¢**
All kinds mixed. Oz. 45¢.

AMARYLLIS.

(am-ah-RIL-is) One species, A bella-
donna, of which there are several varieties
and foorms. Just lately the botanical
name has been changed to Brunsvigia
rosea. The usual time for fresh seed is
April to June and it should be sown as
fresh as possible; do not cover the seed;
the casserole method usually is best; C-34.

- Hybrids.** **AMAL-1H. 50¢**
These hybrids range in colors from deep-
est garnet to almost white; extra choice
seed; (15 seeds to pkt).
- Mixed Hybrids.** **AMAL-X. 40¢**
Mammoth flowers in various colors and
blends. ½ Oz. \$4.50.

AMBERBOA.

(am-bur-BOH-ah) Compositae. Annuals
with jaggedly cut or divided leaves and
flower heads in purple, blue or pink, re-
sembling Bachelor Buttons; easily grown
from seed and should be planted where the
plants are to grow; half hardy annuals
native of Spain and Morocco.

- muricata.** **AMBR-2. 25¢**
Stars of pale purple with creamy cen-
ters; easy; HHA.

AMELANCHIER. (am-ee-LHNK-ee-uh)

Service-Berry; June-B. Rosaceae. Showy
shs or sm. trs; hardy in N; fls very early in
the spring.

- alnifolia.** **AMEL-2. 25¢**
7 ft; (III). c.s. Oz. \$1.50; lb. \$14.00.

AMELLUS.

(ah-MEL-lus) Compositae. S. Af. plants with blue-ray
flowers.

- Lychnitis.** **AMES-6. 35¢**
Lavender colored Daisy; 18"; TP.

GERMINATION RECORDS

On many of the less common species
the germination details are not known as
well as Asters, etc. It would be nice if
customers would send in their results.

AMMOBIUM.

(am-MOH-bi-um) Compositae. Australian everlastings, tender perennials with solitary heads of yellow fls surrounded by silvery white bracts; easy; grow as an annual; fls reappear white if cut early; sow in Apr. when they will flower same season; C-7.

—**alatum.**

Winged Everlasting. To 3 feet; white woolly; 3 ft; heads 2" across; HHA. space 9 inches. **Oz. 50¢.**

AMORPHA.

(am-MORF-uh)

Leguminosae. False Indigo. Grown for ornament; most are hardy in the North.

—**fruticosa.**

AMOR-7. 25¢

Bastard Indigo. 20 ft; May-June; fls dark purple; very hardy; (III) **Oz. 50¢; lb. \$1.50.**

AMPELOPSIS.

IVY

(am-pe-LOP-siss) Tendril climbing deciduous shrubs belonging to the grape family. Grows well in any fair soil; some not hardy in the North; C-24.

—**quinquefolia.**

AMPL-13. 25¢

Virginia Creeper, American Ivy. (Parthenocissus). c. s. **Oz. 50¢; lb. \$2.50.**

—**Veitchii.**

AMPL-12. 25¢

Boston Ivy. C-24. c.s. **Oz. 50¢; lb. \$2.75.**

AMSONIA.

(am-SOH-ne-ah) Apocynaceae. Perennials 1-3 ft. tall, having bluish fls followed by rather attractive milk-weed pods; for the border; easily grown.

—**Tabernaemontana.**

AMSO-2. 25¢

Star flowers soft blue; May-June; HHP.

AMYGDALIS communis: see *Prunus*.

ANACYCLUS.

(an-ass-SYE-klus) Compositae. A race of daisies from Med. regions related to the Pyrethrum; a few species are very desirable dwarf perennials with finely cut foliage and large white or yellow daisy-like fls with backs of the rays striped with brilliant red; sunny, stoney places; C-7.

—**atlanticus.**

ANAC-1. 40¢

A far better plant than *A. depressus*, with rosettes of filigris foliage from which radiate the prostrate stems carrying fls 2" across of scarlet and white; very easy in a sunny well drained site; germinates rapidly at 45-50 deg. F; pot off in gritty soil; try freezing seed a couple weeks, sow in Feb.

—**maroccanus.**

ANAC-3. 40¢

Flowers later than *A. atlanticus* and keeps a succession of red and white fls for 6-8 weeks; 2 inches.

—**Anacyclus Blend.**

ANAC-X. 20¢

ANAGALLIS.

PIMPERNEL

(an-ah-GAL-is) Primulaceae. Low growing annuals, biennials and perennials having pretty little star-like flowers in red, blue and white, that grow out of the axils of the leaves on hair-like stems. Very free flowering; some especially nice for the rockery; best in a loose warm soil; C-7.

—**linifolia.**

ANAG-2X. 25¢

Mixed colors; large flowered form; July-Sept; space 6". **Oz. \$2.50.**

—**Scarlet.**

ANAG-2S. 25¢

ANAPHALIS.

(an-NAF-al-iss) Compositae. White woolly perennials for the RG or border; small white fls can be used as everlastings.

—**margaritacea.**

ANAP-1. 20¢

ANCHUSA.

BUGLOSS

(an-KE E-uh) Boraginaceae. Excellent perennials for summer border in a sunny place; hardy; easily grown, flowering in July-August or even later. Comes mainly in blue shades; best in a good soil with plenty of old manure. Be careful not to damage tap root when transplanting; C-2.

—**azurea, Dropmore Variety. ANCH-2D. 20¢**
Lovely bright blue; 4 ft; HP; C-23. **Oz. \$100.**

—**Opal.**

ANCH-2P. 25¢

Same but a lighter blue; HP.

—**capensis, Blue Bird.**

ANCH-4B. 25¢

Vivid indigo-blue, compact; 18"; HA.

space 18"; C-23. **Oz. 80¢.**

—**Pink Bird.**

ANCH-4P. 25¢

A new pink colored variety; very showy; compact habit; very light rose. $\frac{1}{2}$ **Oz 60¢**

—**myosotidiflora:** see *Brunnera macrophylla*

—**riparia.**

ANCH-9. 25¢

Bright to dark blue fls; $2\frac{1}{2}$ ft; HHP.

—**Anchusa Blend.**

ANCH-X. 20¢

Both annau and perennial kinds mixed.

ANDIRA.

(an-DYE-ruh)

—**inermis.**

ANDI-1. 40¢

Angelin Tree. Leguminosae. Trees of tropical Amer; rich soil; for far South; (XI).

ANDROSACA.

ROCK JASMINE

(an-DROS-ah-see) Primulaceae. True alpine annuals and perennials for the rockery or low border; many require special handling in the alpine or rock garden. Leaves usually tufted or in rosettes and often woolly; flowers are small, in red, pink or lavender, usually borne in rather flattened rounded clusters. They require a dry, gritty, well drained soil but not too suffer from drought; seed may remain in the soil for over a year. Try freezing for 2 weeks, than place at 50 deg. F; C-23-24.

—**carnea v. brigantiaca.**

ANDR-3B. 40¢

Has narrow lvs and nice white fls; HP.

—**hedraeantha.**

ANDR-8. 75¢

Very early, neat green domes; pink flower heads; 2 inches high. ((12 seeds per pkt.) (Seed was short this year—expect more.)

—**hirtella.**

ANDR-9. 50¢

Hairy tuftets with white flowers; 1"; HP.

—**matifolia.**

ANDR-13. 50¢

Rosettes of deep green leaves; white flowers in spring; 1 inch. (12 seeds per pkt)

—**pyrenaica.**

ANDR-17. 50¢

Choice alpine house species; minute domes studded with white flowers; 1"; HP.

—**sarmentosa v. yunnanensis.**

ANDR-18Y. 40¢

Rose-colored, 5" high; lvs smaller than the type and crowded.

—**septentrionalis**

ANDR-20 50¢

To 8"; HA; white or pink fls in umbels

—**subumbellata.**

ANDR-20S. 30¢

Sprays of small white fls; 5"; HB.

—**yunnanensis.**

ANDR-23. 50¢

ANELMA.

(an-NELL-mah) Compositae.

—**species.**

ANEL-1. 30¢

A South Rhodesian species.

ANEMONE

(ah-NEM-oh-nee) Ranunculaceae. They are attractive perennials blooming in the spring, summer and autumn; fls come in white, rose, red and purple; they thrive in a rich sandy loam, many doing well in shade; they make beautiful plants in the border and some in the rockery. The florist species are *A. coronaria*, *fulgens* and *hortensis*; these come in single and double flowers and are grown mainly as

PRINT THE SYMBOLS WHEN ORDERING

fall and winter flowers, much as one would grow Freesias; these are not real hardy; roots are also offered in the bulb list for late summer delivery; C-24.

A. CORONARIA: Poppy-flowered Anemone. This is the popular florist Anemone.

—**Creagh Castle Strain.** ANEM-10CC. 25¢
Extra double, mixed. ¼ Oz. 90¢.

—**de Cain, Mixed.** ANEM-10DC. 25¢
¼ Oz. 40¢.

—**Monarch Strain.** ANEM-10M. 25¢

A new strain in the best of colors.

—**Single Giants.** ANEM-10N. 25¢

Large flowered strain in many colors.

—**Hollandia.** ANEM-10H. 25¢

Very pretty single red with dark centers.

¼ Oz. 50¢.

—**St. Bridgid.** ANEM-10S. 25¢

¼ Oz. 60¢.

True Irish strain; double brilliant flowers; (VII). ¼ Oz. 60¢.

—**Mr. Fokker.** ANEM-10SF. 25¢

A beautiful single; bright blue. ¼ Oz. 50¢.

—**His Excellency.** ANEM-10SE. 25¢

Pretty single scarlet variety. ¼ Oz. 50¢.

—**The Governor.** ANEM-10SG. 25¢

Double bright scarlet flowers. ¼ Oz. 50¢.

—**Mixed.** ANEM-10X. 25¢

Blend of the above varieties for greenhouse growing. ¼ Oz. 50¢.

OTHER ANEMONE SPECIES:

—**alpina.** ANEM-3. 30¢

Cream inside, purplish out; 3" ac; 18"; HP.

—**sulphurea.** ANEM-3S. 30¢

A yellow flowered form.

—**barbulata.** ANEM-7. 30¢

—**biflora.** ANEM-8. 30¢

—**cylandrica.** ANEM-11. 30¢

Candle Anemone. Greenish white clusters; 3 ft; HP.

—**demissa.** ANEM-16. 30¢

White with purple outside; in clusters;

August-Sept; 1 ft; HP.

—**Drummondii.** ANEM-17. 30¢

Cream fls, blue outside; moist soils; 6";

RG; HP.

—**globosa.** ANEM-19. 30¢

Red to bronze-green fls; July-Sept; 10";

HP.

—**rubra.** ANEM-19R. 50¢

(multifida) Red flowered variety.

—**Halleri.** ANEM-20. 25¢

Lilac fls, 2½" ac; June; sun; 6 inches.

—**Halleri.** ANEM-21. 30¢

For a sunny spot; lilac fls; June; RG; 6".

—**japonica alba.** ANEM-21A. 25¢

—**hybrids.** ANEM-21H. 25¢

Autumn flowering; white tinged rooe; 3

ft; HHP.

—**Lesseri.** ANEM-28. 30¢

Dwarf form; fern-like lvs; deep pink fls;

Aug-Sept; sun; HP.

—**magellanica.** ANEM-32. 30¢

White or yellow fls; not a true species.

—**Giant Form.** ANEM-32G. 30¢

—**montana.** ANEM-34. 30¢

Dark violet, drooping fls; 6"; H P.

—**multifida.** ANEM-35. 30¢

—**myosotidiflora:** see *Brunnera macrophy-*

lla.

—**nicricens.** ANEM-38. 30¢

Purplish black fls; 1 ft; HP.

—**occidentalis.** ANEM-39. 30¢

White or purplish fls, 2" ac; May; 18"; HP

—**patens.** ANEM-44. 30¢

—**nuttalliana.** ANEM-44N. 30¢

Purple fls; very early in spring; 8"; HP.

—**pratensis.** ANEM-45. 30¢

Dark purple fls; 1 ft; HP.

—**PULSATILLA.** ANEM-46. 25¢

Violet fls; April; lime; fine spring fls;

1 ft; HP; popular species; sow in fall to

germinate in spring

—**amoena.**

—**alba.**

A creamy white form of Pasque Flower.

¼ Oz. \$1.80.

—**australis.**

—**montana.**

—**patens.**

—**Gayeri.**

—**Mallenderi.**

—**Violet-Blue.**

¼ Oz. \$1.80.

—**montana.**

Dark violet with drooping flowers.

—**ranunculoides.** ANEM-49. 40¢

Yellow Wood A. Golden yellow, solitary

fls, 1" ac; Apr.-May; 8"; Siberia.

—**rivularis.** ANEM-51. 30¢

White tinged blue; 1½" ac; 3 ft; India.

—**slavica.** ANEM-54. 30¢

Collected in Austria.

—**sylvestris.** ANEM-56. 30¢

Pure white; fragrant, nodding fls; May-

June; 18"; HP.

—**virginiana.** ANEM-60. 30¢

White or greenish; fine for meadows;

June-Aug; 3 ft; HP.

—**vitifolia.** ANEM-61. 30¢

Grape-leaf A. White fls 2" ac. in cymes;

July; HP.

—**Anemone Blend.** ANEM-X. 25¢

Mixture of all kinds.

ANETHUM.

Umbelliferae. Annuals and biennials, one of which (Dill) is a popular garden herb.

—**graveolens.** ANET-5. 20¢

DILL. 3 ft; annual. Oz. 35¢; lb. \$1.40.

ANGELICA. (an-GEI-ee-ah)

Umbelliferae. Perennials with white or greenish fls; for borders for bold effect.

—**Archangelica.** ANGE-1. 25¢

Sow seed as fresh as possible; young

stems in May-June for candying and a

second crop in Aug-Sept; young stems can

be use in salads; lvs make excellent arom-

atic tea; cook with apples and rhubarb; ex-

cellent bee plant when in flower; 8 ft; HP

ANGOPHORA. (an-GO-for-ah)

Myrtaceae. Apple or Gum Myrtle. Trs

and shrubs; similar to Eucalyptus; fls white

in terminal corymbs followed by fruits; E.

Australia.

—**cordifolia.** ANGO-3. 50¢

Dwarf Apple. Large white fls.

—**costata.** ANGO-4. 50¢

(A. lanceolata) White fls; unique twisted

upper branches; reddish bark; (IX).

—**lanceolata.** ANGO-10. 40¢

Sidney Red Gum. To 50 ft; smooth pink-

ish bark and curiously twisted limbs; (IX).

ANIGOZANTHOS. (an-ig-loh-ZANTH-os)

Amarylidaceae. Odd Australian perenn-

ials; grown in GH in N; hardy in S.

—**humilis.** ANIG-3. 30¢

Red Kangaroo Paws. Red and yellow fls;

1 ft.

—**Manglesii.** ANIG-4. 50¢

Kangaroo Paws. Light soil; sun; summer

moisture; red and green 'paws'; good to

cut; (VIII).

Best of all species: moist situations; red,

green and yellow fls; 3 ft.

(Seed was short this year—expect more.)

ANNONA.

(an-NON-nah) Annonaceae. Tropical trs.

and shrubs grown for their delicious edib-

le fruits; fls are an odd color, solitary or

in clusters; fruits large and fleshy; Tr

—squamosa.

ANNO-9. 30¢

SUGAR APPLE, SWEETSOP; decid. tr. to 30 ft. (skwam-MOH-suh).

ANODA.

(an-NOH-duh) Malvaceae. Mostly annuals, either grown outside for fall flowers or under glass.

—hasta.

ANOD-2. 25¢

Handsome HA lovely pink fls; 10 ft.

—lavateroides v. Opelcup. ANOD-4 P. 20¢

Continuous bloomer; June-Nov.; blue and pink fls; space 18"; 3 ft; HA.

—Snowdrop.

ANOD-4 S. 20¢

Shining snow-white; 30"; profuse bloomer; HA.

ANTENNARIA.

PUSSY TOES

(an-te-NAY-ri-ah) Compositae. Everlasting. Perennials used in the wild or rock garden, also much used as dried flowers in winter bouquets. Best in dry soil, and easily grown. Flowers in heads and the leaves are white-woolly clustered at the base.

—aprica.

ANTA-2. 25¢

Dense low mats; white or pink heads; 5"; HP.

—microphylla.

ANTA-13. 30¢

Silver blue fls; grayish white; 12"; HP.

—rosea.

ANTA-17. 30¢

Foliage distinctly white and woolly; fls rose; 18"; HP.

ANTHEMIS.

(AN-the-mis) Compositae. Golden Marguerite. Very free flowering perennials with daisy-like flowers, blooms June-Sept. It does well on dry sandy soils and in full sun. Sow seeds in late April or early May, outdoors, or they can be started earlier indoors. Thin plants in the garden to 10" apart; they are profuse bloomers.

—arabica.

ANTH-3. 20¢

Attractive and free flowering; golden yellow, daisy-like fls; fern-leaf fol. Oz. 60¢.

—cinerea.

ANTH-4. 25¢

Spreading; white ray-flowers; Balkans.

—Coia.

ANTH-5. 25¢

—Kelwayi.

ANTH-8. 20¢

Pure golden yellow; July to frost; 2½ ft; HP; C-23. Oz. 40¢.

—montana.

ANTH-9. 25¢

Charming species; pure white fls; 1 ft.

—nobilis v. Perry.

ANTH-10LY. 20¢

Pretty lemon-yellow selection; 1 ft; HP.

nobilis v. simplex.

ANTH-10S. 25¢

Larger flowers than the type.

—Sancti-Johannis.

ANTH-13. 20¢

Deep orange fls, 2" heads; 3 ft. ¼ oz. 70¢.

—tincioria.

ANTH-14. 20¢

Golden yellow ray-fls; fine cut; 2½ ft.

—Perry's Variety.

ANTH-14P. 20¢

Bright lemon-yellow; 2 ft; HP. Oz. 80¢.

—Anthemis Mixed.

ANTH-X. 20¢

ANTHRISCUS.

(an-THRISK-us)

Umbelliferae. Grown for its lvs, used in salads; Chervil being the main species; the tuberous Chervil is Chaerophyllum.

—Cerefolium

ANTS-2. 25¢

Salad Chervil. Hardy annual; 2 ft; grow for sp. and fall crops; in S the fall crop can be held over winter; space 10".

ANTHYLLIS.

(an-THILL-iss)

Leguminosae. Per. plants from Eu. and Asia; fls in dense Clover-like heads; ornamental.

—montana v carninea.

ANTY-5C. 50¢

1 ft; white silky lvs; pink fls; Alps; HP.

25¢ for sample Saier's Garden Magazine.

ANTHERICUM.

(an-THER-i-kum)

(an-THER-i-kum) Liliaceae. Tuberous-rooted herbs of the Lily Family having racemes of small white lily-like flowers and long narrow grass-like leaves. In the North they require winter protection; they make fine greenhouse plants or for use in lawn vases during the summer; requires plentiful supply of water when in bloom; C-35.

—Liliago.

ANTE-3. 30¢

Neat species; small white fls; 18"; HP.

—undulatum.

ANTE-5. 30¢

White fls in racemes; easy; native S. Af. 1 ft; HHP.

ANTHOLYZA aethiopica: see Chasmantha.

ANTIGONON.

(an-TIG-oh-non) Polygonaceae. A tendrill climber grown as a GH vine in the N but a popular hardy climber in the S where it has a long booming season; in the GH it requires plenty of light; not too much root room; keep roots dry during rest in the winter.

—leptopus.

ANTI-1. 25¢

Climber to 40 feet; rose-pink flowers; Mexico; tender; (IX). (LEP-toh-pus)

ANTIRRHINUM

Snapdragon. Scrophulariaceae. Very popular cut-flowers, both in the garden and in the greenhouse. Start indoors as early as Feb. for an early start or as late as April; the seed may be slow in germinating. For winter fls start in August and get seedlings into pots as soon as possible; pinch off terminal bud at the start to get several stems growing. C-10; (an-tehr-RYE-mum).

TETRA SNAPS: Spikes 1 ft. long; strong husky growth; ideal for greenhouse growing; popular with market growers; C-10.

—Candlelight.

ANTR-9L. 35¢

Pure yellow

—Crimson.

ANTR-9C. 35¢

Velvety crimson ¼ Oz. \$1.25.

—Pink Shades.

ANTR-9P. 35¢

Light pink to mid-rose. ¼ Oz. \$1.25.

—Rose Shades.

ANTR-9Z. 35¢

Fine deeper shades of rose. ¼ Oz. \$1.25.

—Sky Scraper.

ANTR-9K. 35¢

Vary from light primrose-yellow flushed pink to rosy orange. ¼ Oz. \$1.25.

—White.

ANTR-9W. 35¢

Light creamy white changing to pure white with age. ¼ Oz. \$1.25.

Tallest growing of all Snapdragons, in a glorious blend of pastel shades. ¼ Oz. 75¢.

—Burpee Blend Tetras.

ANTR-9X. 30¢

A superfine extra giant flowered blend; blooms extremely large and a little frilled, containing a wide range of fine colors. ¼ Oz. 75¢.

DOUBLE ANTIRRHINUMS:

—Lemonade.

ANTR-99D. 35¢

Clear primrose-yellow double flowers. 1/8 Oz. \$3.00.

ALL RUST RESISTENT STRAINS

MAJUS GRANDIFLORUM: Tall, large flowered, making excellent garden cut-flowers; strong growers.

—Firefly.

ANTR-1F. 25¢

Crimson and yellow; very popular color.

—Narawek Strain Mixed. ANTR-1N. 25¢

A striking new strain in two-toned combinations. ½ Oz. 85¢.

—Primrose Queen.

ANTR-1Q. 25¢

Very large fls in a soft primrose color.

—Prince of Orange.

ANTR-1P. 25¢

- A popular orange color; excellent cut.
—Queen Victoria. ANTR-IV. 25¢
 The best pure white; necessary in all lots.
—The Sentinal. ANTR-IS. 25¢
 Bright orange-scarlet with a white throat.
—Vulcan. ANTR-IL. 25¢
 A very bright crimson-scarlet with dark foliage; pretty.
—Yellow King. ANTR-1K. 25¢
 Best pure rich yellow.
—Blend of Above Varieties. ANTR-IX 25¢
 Trade packet: 50¢; Oz. \$2.00.

MAJUS NANUM.

- Blend of Varieties.** ANTR-4X. 25¢
 Large flowered, semi-dwarf. ½ Oz. \$1.30.
MAJESTIC: This is probably the best type for growing out doors.
—Choice Mixed. ANTR-5X. 25¢
 ½ Oz. \$1.00.

MAXIMUM: Tall giant flowered spikes; extra good for cut flowers; rust resistant.

- Appleblossom.** ANTR-2A. 25¢
 Soft rose suffused with yellow.
—Campfire. ANTR-2C 25¢
 Bright scarlet.
—Catleya. ANTR-2T. 25¢
 Soft silvery rose-lilac with a golden yellow tip.
—Copper King. ANTR-2K. 25¢
 per color.
—Gotelind. ANTR-2G. 25¢
 Bright orange.
—Indian Summer. ANTR-2S. 25¢
 Coppery scarlet turning to pure copper.
—Yellow Giant. ANTR-2Y. 25¢
 Giant rich yellow flowers.
—FAIRY SPELL. ANTR-2FS. 30¢
 NEW art shades, marbled and blotched with dark lip.
—Blend of Above Varieties. ANTR-2X. 25¢
 Any of above: ¼ Oz. 60¢; Oz. \$2.00.

FORCING VARIETIES: Best for greenhouse growing and winter flowering.

- Afterglow.** ANTR-7A. 30¢
 A rich golden bronze.
—Cheviot Maid Supreme. ANTR-7C. 30¢
 An early flowering bright pink.
—Glorious. ANTR-7G. 30¢
 Bright reddish bronze; 3 ft.
—Lucky Strike. ANTR-7W. 30¢
 The best pure white.
—Rose Queen. ANTR-7R. 30¢
 The best dark pink variety.
—Sunlight. ANTR-7S. 30¢
 A beautiful orange-bronze color.
—Suntan. ANTR-7T. 30¢
 An old reliable orange-bronze.
—Yellow Wonder. ANTR-7Y. 30¢
 Improved strain; extra early pure yellow.
—Greenhouse Blend. ANTR-7X. 30¢
 A carefully hand-made blend. Trade packet: 50¢; ¼ oz. \$1.50.
—Blend of Varieties. ANTR-4X. 25¢
 Large flowered, semi-dwarf. ½ Oz. \$1.30.
 (Not rust-proof).

ANTIRRHINUM SPECIES:

- Asarina.** ANTR-10. 30¢
 Ivy-shaped lvs; fine plant on sunny dry wall, flowering best in poor limey soil; June-Sept; seed can be sown from March to August.
—Magic Carpet Mixed. ANTR-11X. 25¢
 Very dwarf rockery strain, in good color range. ¼ Oz. 80¢.

APHANOSTEPHUS.

Compositae. Annual and biennial; solitary flower heads with white, violet or purple flowers or golden disks; easy; fine cut fl; blooms profusely.

- skirrobasis.** APHA-1. 25¢
LAZY DAISY; Pink and white with gold-

en centers; 18"; HA.

APTENIA.

(ap-TEEN-ee-ah)

Aizoonaceae. Monotypic South African genus. (Mesembryanthemum). Grown in conservatories or window gardens.

- cordifolia.** APTE-1. 30¢
 Purple fls, ½" ac; 2 ft; TP.

AQUILEGIA

(ak-wi-LEE-ge-ah) Ranunculaceae. One of the most valuable of hardy perennials. Its foliage is attractive and the pretty spurred flowers cannot be equalled for color. They bloom early in the summer; sow seeds any time so long as they can be

**AQUILEGIA longissima**

shaded from the hot sun and are established early in the fall; seed is sometimes slow to germinate and early planting is best; they do best in a part shaded place best. Sow in Oct. for best results or freeze for 2 weeks and then bring inside or they can be planted in Jan. or Feb., outside. C-23 or 24; LC.

LONG SPURRED VARIETIES:

These are all hybrid types, with long spurs and in almost every color; some of the strains come in exquisite blends.

- Blue Shades.** AQUI-1B. 25¢
 Best strain in blue shades; 3 ft. Oz. \$2.00.
—Dobbie's Hybrids. AQUI-1D. 25¢
 A nice English strain; 2½ ft. Oz. \$2.00.
—Helenae. AQUI-1H. 25¢
 A mammoth flower, bright blue and white; short spurs.
—Crimson Star. AQUI-1C. 25¢
 Brilliant crimson, white petals; long spurs. ½ Oz. \$2.00.
—Lowdham Strain. AQUI-1L. 25¢
 Unsurpassed European strain in fine colors; 3 ft. Oz. \$2.50.
—Mrs. M. Nichol's Strain. AQUI-1N. 25¢
 A choice strain dominated by blue; 2½ ft. ½ Oz. \$2.00.
—Mrs. Scott Elliot Strain. AQUI-1S. 25¢
 This has a beautiful blend of delicate colors; 3 ft. Oz. \$2.75
—Munstead White. AQUI-1T. 40¢
 A beautiful white variety. Oz. \$2.00.
—Rose Queen AQUI-1Z. 25¢
 Large flowered pink with white corolla. ½ Oz. \$1.25.
—Saier's Long Spur Blend. AQUI-1X. 25¢
 This strain contains the very best blend of the various long spurred Columbines. Oz. \$2.00.

AQUILEGIA SPECIES:

- alpina.** AQUI-2. 30¢
 Very rare rockery species; short spurs;

deep blue; 1½ ft; HP.

—**magnifica**.

Superb form with soft powder-blue fls; showy; 12"; HP.

(Seed was short this year—expect more.)

—**Bertolonii**.

Alpine species; fls 1" as; blue-violet; very short spurs; 1 ft; HP.

—**brevistyla**.

Dainty small flowered Columbine; purple and cream; 10"; HP.

—**caerulea**.

Colorado Columbine. Blue-purple fls; 3 ft; May-June; HP.

—**canadensis**.

Yellowish or red sepals, red spurs; May-June; 2½ ft; HP.

—**chrysanthia**.

Yellow; long spurs; May-Aug; 3 ft; HP.

—**Golden Queen**.

Long spurs. ½ Oz. 1.25

—**Jaeshkanii**.

Yellow fls with red spurs. ½ Oz. \$1.40.

—**Silver Queen**.

Long spurred white variety. Oz. \$2.00.

—**Mixed**.

—**clematiflora**.

Pale pink and blue hybrids; 1½ ft; HP. (Seed was short this year—expect more.)

—**ecalcarata**.

Elegant spurless fls; maroon-red; 9"; HP.

—**Einseleana**.

Bluish violet, 1½" ac; short spurs; lime; 15"; Austria.

—**flabellaia**.

Pretty dwarf species; pure white; 1 ft.

—**nana alba**.

A dwarf white variety of above.

—**formosa**.

Red and yellow; RG; sun or shade; 9".

—**glandulosa**.

True alpine; powder blue and white; RG; 8"; HP.

—**Hensol Harebell**.

A vivid deep violet-blue; 18"; HP.

—**longissima**.

Lovely pale yellow; very long spurs; 3 ft; HP. ¼ Oz \$3.00.

—**Moorcroftiana v. fragens**. AQUI-33F. 50¢

Himalayas; 2½ ft; HP.

—**pyrenaica**.

Dwarf; deep blue; 6"; HP.

—**Reuteri**: see **A. Bertolonii**.

—**scopulorum v. calcareum**. AQUI-40C. 50¢

Easily grown form with paler fls, cream and light blue; 9"; HP.

—**Skinneri**.

Crimson with greenish yellow sepals; spurs pale red; (Mexican C.) ½ Oz. \$1.50.

—**Torkington's Double**.

The only double; wine-rose; 3 ft; HP.

—**viridiflora**.

Quaint but elegant, dainty fls; brown and deep green; 10"; HP.

—**vulgaris**.

(*A. transsilvanica*); fls 2" ac. nodding blue and white; 18"; HP. Oz. \$50¢.

—**erecta**.

Edelwiss. Very dwarf, compact snow white; single; mixed ½ Oz. 80¢.

—**Double Mixed**.

—**Species Blend**.

Only the species; no long-spurred types. Oz. \$2.00.

ARABIS.

(*A R-ah-bis*) Cruciferae. Annuals, biennials and perennials with several fine rockery species; all are easily grown from seed; mostly low plants; flowers in terminal spikes or racemes, blooming in early spring. Sow seed any time as for most perennials but early sown seed best.

—**alpina grandiflora**.

ROCK CRESS

ARAB-2G. 25¢

Large pure white strain; 9"; HP. Oz. 60¢

—**nana compacta**.

Very dwarf and free flowering white; HP. ½ Oz. 45¢.

—**praecox**.

A giant flowered white. Oz. 70¢.

—**rosea**.

Very pretty bright rose; silver-gray foliage; 6"; HP. ½ Oz \$2.50.

—**Snow Cap**.

A very showy white flowered plant; 1 ft; HP. Oz. \$2.00.

—**Fruhlingszauber**.

Pretty carmie-rose from Switzerland. (Seed was short this year—expect more.)

—**Breweri**.

Rare warf shrubby species; RG; deep red flowers; 6"; Calif; HP.

(Seed was short this year—expect more.)

—**caucasia**.

(*A. albidia*) To 1 ft; fragrant; white; HP. (Seed was short this year—expect more.)

—**pumila, Snow Cap**.

Profuse; white; trailer; 6"; HP. Oz. \$2.00.

—**purpurascens**.

Dense cushions of neat rosetts; deep rose; HP.

(Seed was short this year—expect more.)

—**Schneehaube**.

A pretty white; very early; HP.

—**Arabis Blend**.

All kinds mixed; HP.

ARALIA.

(*ar-RAY-lee-uh*) Araliaceae. About 20 species of deciduous trees, shrubs and plants mainly used for ornament and wild life food; the seed has a dormant embryo and fall sowing is probably best with 2 yrs. allowed for complete germination; C-36.

—**chinensis**.

Fls in panicles to 2 ft long; 30 ft; China. Oz. \$1.00.

—**Moseri**: see *Fatsia japonica*.

—**Sieboldii**: see *Fatsia japonica*.

100 seeds 50¢.

—**spinosa**.

Devel's Walking Stick, Hercules Club, Angelica Tree. Hardy up in Penn; (V); good wild-life food and shelter.

ARAL-7. 30¢

Oz. \$1.00.

—**spinosa**.

Devel's Walking Stick, Hercules Club,

Angelica Tree. Hardy up in Penn; (V);

good wild-life food and shelter.

ARAL-14. 25¢

Devel's Walking Stick, Hercules Club,

Angelica Tree. Hardy up in Penn; (V);

good wild-life food and shelter.

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Devel's Walking Stick, Hercules Club,

Angelica Tree. Hardy up in Penn; (V);

good wild-life food and shelter.

ARAL-14. 25¢

Writing letters on your order delays its filling as well as confuses the packer!

ARISTOTELIA. (ah-ris-toh-TEEL-ee-uh)
Elaeocarpaceae. Evergreen trs and shs
of S. Hemisphere; (X).

—**racemosa.** **ARIA-9.** 40¢
Wineberry. Quick growing N. Z. tree
with large panicles of very attractive fls;
pale rose to deep claret, followed by clus-
ters of red to black berries; 15 ft; (V).

ARMERIA, THRIFT, SEA-PINK
(ahr-MEER-ee-ah) Plumbaginaceae. Sea-
Pink; Thrift; Statice. Dwarf perennials
plants; best in a sunny position and well
drained soil. The genus has been reclass-
ified of late; germination 2 weeks.

—**Bee's Ruby.** **ARME-6B.** 30¢
—**caespitosa.** **ARME-7.** 50¢
Tufted; 2" high; shining dark green lvs;
pink fls; RG.
—**corsica.** **ARME-5.** 40¢
(*A. leucocephala* v. *procera*) Pale rose
flowers; 1 ft; HP.
—**formose hybrids.** **ARME-6H.** 25¢
Large flowers in many colors; 18"; HP.
Oz. \$2.00. lb. \$14.00.

—**Six Hills Hybrids.** **ARME-6S** 30¢
A very pretty English strain.
—**juniperifolia.** **ARME-10.** 25¢
Hardy rockery alpine; 2 inches tall;
white to deep pink; HP.
—**leucocephala v. procera.** **ARME-12.** 50¢
Pale rose-pink, erect heads; 12"; Corsica.
—**maritima.** **ARME-14.** 25¢
White to deep rose; 1 ft; HP.
—**alpina.** **ARME-14A** 30¢
Heads 1" ac; scapes glabrous, 8" tall.
—**Laucheama.** **ARME-14L.** 25¢
Rose and pink heads; 1 ft; HHP.
—**Welwitschii v. stenophila.** **ARME-22S.** 25¢
A tufted plant with pink flower heads;
1 ft; HHP.
—**Armeria Blend.** **ARME-X.** 20¢

ARNICA

(AR-ni-ka). Compositae. Perennial plants
with clustered basal leaves and bright yellow
flowers, on long spikes. They are
effective in colonies in the wild garden,
growing rapidly in an acid soil; C-24.

—**cordifolia.** **ARNI-6.** 25¢
The flower heads in rays; 15"; HP.
—**montana.** **ARNI-11.** 25¢
Mountain Tobacco. Large heads of yellow
ray flowers; 2 ft; HP; C-24; LC.

ARTEMISIA.

(ahr-tee-MIS-ee-ah)
Wormwood. Compositae. Hardy aromatic
plants some of which may be found listed
in the Herb List. The flowers are in heads
and composed entirely of tubular disk
flowers; grown mainly for their aromatic
and medicinal properties; thrives in poor
soil. Flowers in late summer and makes
plants in the back border. Sow in March
at 60 degree Far; harden off.

—**Absinthium.** **ARTE-2.** 20¢
The common Wormwood; sub-shrub; 6
ft; HP.
—**caucasia.** **ARTE-15.** 25¢
—**frigida.** **ARTE-19.** 30¢
Silvery velvet mounds; arching gray
flowers; 15"; HP; (III).
—**glacialis.** (*A. ilaxa*) **ARTE-20.** 50¢
Golden yellow heads; Alps; HP.
—**sacrorum v. viridis.** **ARTE-40V.** 50¢
Summer Fir. Erect; yellowish flowers;
3-5 ft; HHA; C-9; space 2 ft.
—**pedemonana.** **ARTE-48.** 50¢
Small silvery leaves; pale yellow flowers;
HP.
—**vulgaris.** **ARTE-50.** 30¢
Erect yellowish flower heads; fragrant;
3½ ft; HP.
—**Artemisia Blend.** **ARTE-X.** 25¢

ARTHROPODIUM.

(ahr-throh-POH-di-um) Liliaceae. Tuft-
ed perennials of the Lily Family and grown
in the GH; lvs grass-like; fls in clusters.

—**cirrhium.** **ARTH-2.** 35¢
A handsome plant; fls in panicles, much
like *Gypsophila*, with hundreds of small
white fls on 36 in. stems; cuts well; any
soil and light shade; May-June; HHA.

ARUM.

(AY-rum) Araceae. They require a rich
soil, plenty of water and a shady place;
some make nice pot plants for the green-
house while others are hardy. If undis-
turbed, they will form better flowers; they
are tuberous rooted plants.

—**italicum.** **ARUM-1.** 30¢
Creamy white flowers in the spring;
evergreen foliage in the South; 1 ft; HHP.
—**pictum.** **ARUM-6.** 30¢
Spathe with green tube and purple limb.

ASARUM.

(ASS-uh-um)
Wild Ginger. Aristolochiaceae. Planted
in the wild garden or woods; rich moist soil.

—**caudatum.** **ASAR-4** 35¢
Brownish purple fls; June; lvs 6" ac;
(IV)..

ASCLEPIAS.

(as-K-LE S-pe-as) Asclepiadaceae. Silk-
weed; Milk-weed. Attractive habit and
showy flowers; they make nice plants in
the border; are easily grown from seed
started as most perennials.

—**currassavica.** **ASCL-3.** 25¢
Blood-flower. Reddish purple corolla;
orange hoods; 3 ft; TA; C-22. **Oz. \$1.00.**
—**syriaca.** **ASCL-14.** 25¢
Green or purplish flowers; July-August;
5 ft; HP; (*A. Cornutii*); C-23.
—**tuberosa.** **ASCL-15.** 25¢
Orange flowers; July-August; 2-3 ft; HP.
splendid cut flower; C-23. **Oz. \$1.00.**

ASCYRUM.

(ass-EYE-rum)
Low shrubs; fls bright yellow, 4-parted;
needs some protection in N; similar to
Hypericum.
—**hypericoides.** **ASCY-2.** 25¢

ASIMINA.

(as-SIM-in-uh)
(ass-SIM-in-uh) Annonaceae. Found in
rich moist soils from Mich. southwards;
best known for its fruits, eaten by man
and wild-life: seed sown in the fall do not
germinate till spring or the seed can be
stratified in moist sand at 40 degrees for
2 months and planted in the spring.

—**triloba.** **ASIM-4.** 40¢
Paw-Paw. Decid. tr to 30 ft; purple fls;
2" ac; fleshy edible fruits; Mich-Fla; (IV);
seeds are 5¢ each.

ASPARAGUS.

(ass-PAR-ah-gus) Lilaceae. The decorat-
ive species are easily grown but are tender
plants in the North. Those listed are
grown for their green foliage. New crop
seed comes in during the spring and com-
mercial growers wanting seed by the pound
should order before the end of the year.

The seeds can be planted in pots. They
germinate in 2-3 weeks but may be as long
as 5-6 weeks; give some bottom heat.

—**asparagoides.** **ASPG-4.** 25¢
Smilax of the greenhouse; berries dark
purple; C-22; DW.
—**Cooperi.** **ASPR-7.** 50¢
S. Af. vine to 60 ft; very dark green lvs;
makes fern-like sprays; for cut-greens in

the North.

—**cupressoides.**

Like small evergreens; dark green pyramidal growth.

—**falcatus.**

Tall climber to 10 ft; sickle-shaped lvs. C-37. 100 seeds \$6.00.

—**plumosus.**

Tall climber for GH for cut greens; fine foliage; TP; C-37. Oz. \$2.00.

—**nanus.**

Dwarf for pot culture or bench; Oz. \$1.20 lb. \$6.00.

—**robustia.**

A stronger growing type. Oz. \$1.50; lb. \$12.00.

—**pyramidalis.**

—**racemosa.** Tall climber; handsome foliage; dense sprays.

—**pseudoscaber v Spitzenschleier.**

Lace Vail. Feathered foliage, for cutting; sow in late fall; C-23; DW.

100 seeds 80¢.

—**scandens v. deflexus.**

Small form, deflated branched branches; white fls; 4 ft; TP; C-37. Oz. \$2.00.

—**Sprengeri.**

To 6 ft; courser foliage; fine for pots. Oz. \$1.30; lb. \$9.00. C-37.

—**robustus.**

A strong growing type. 100 seeds \$4.00; 1,000 seeds \$12.00.

—**verticillatus.**

Climbing to 15 ft; Persia-Siberia; (III); good for cut greens.

—**virgatus.**

Foliage dark green; very easy. 100 seeds \$1.00; 1,000, \$5.00.

ASPERULA.

Rubiaceae. Woodruff. Grown in border or rockery; shade; moist soil; seed should be sown in the fall and exposed to snow and frost.

—**odorata**

Sweet W. White fls; 8"; lvs fragrant; best to sow seeds in fall to germinate in the spring; HP.

(Seed was short this year—expect more)

—**orientalis.**

Pretty blue fls, effective in carpeting; 1 ft; HA. (Woodruff) (azurea setosa).

—**verticillatus.**

Climbing to 15 ft; Persia-Siberia; (III); useful for cutting.

ASPHODELINE.

(ass-pho-de-LIN-ee) Differs from Asphodelus only in the flower stems being leafless and the foliage clustered at base.

—**lutea.**

KING'S SPEARS. Fragrant yellow fls; racemes; part shade; 2-4 ft; TP.

ASPHODELUS.

(AS-foh-del-us) Liliaceae. Easy culture in the border or wild garden in rich sandy loam; fls lily-like; LF.

—**luteus:** see *Asphodeline*.

—**Species from the Pyrenees.** ASPH-3. 30¢

ASPLENIUM: see Fern List.

ASTERS

Sow Aster seeds indoors 6 weeks before it is time to set out in their beds, which is after danger of frost has passed. Do not crowd, usually a foot apart, and use care that they do not suffer a set back thru over watering, crowding or drought. It is best to transplant seedlings once; as the roots of Asters are shallow, use care in cultivating. Make succession plantings for

continuous bloom but when possible use different types which flower at different times. All strains offered are wilt-resistant unless otherwise noted; germination, 12-14 days.

Asters flower best during long-day periods (short nights); rather low intensities of light used either at start of day or at end, will induce flowering earlier; C-11.

PRINCESS:

Attractive new cutting type; 2-2½ ft. tall; branching, early; 3-3½ inch flowers on strong stems and with a deep crested center surrounded by several rows of dainty plume-like petals.



ASTER — Princess Bonnie

- Anne.** AST-7A. 25¢
A pale rose; very pretty.
- Barbara.** AST-7B. 20¢
New orchid color.
- Bonnie.** AST-7N. 20¢
A soft salmon-rose; dainty and pretty.
- Elizabeth.** AST-7E. 20¢
Pure white; a beautiful cut flower.
- Golden Sheaf.** AST-Y. 20¢
A new yellow.
- Linda.** AST-7L. 20¢
Clear carmine-rose; new; very nice.
- Margaret.** AST-7M. 20¢
NEW. Very pretty deep rose.
- Marsha.** AST-7H. 20¢
Scarlet; very showy for the type flower.
- Pat.** AST-7P. 20¢
A new carmine; delicate plumes.
- Susan.** AST-7S. 20¢
True deep blue in clear shade.
- Any of above: Oz. \$1.10; lb. \$11.00.
- Princess Blend.** AST-7X. 20¢

BOUQUET TYPE:

- Powderpuff Mixed.** AST-7BP. 25¢
This is an attractive full color blend; the flowers are tightly quilled, similar to the Pompom type but much larger, reaching a size of 3"; plant is symmetrical, upright branching, growing 24" tall; recommended for both commercial and home gardeners; early blooming and floriferous. ½ Oz. \$3.00

QUEEN OF THE MARKET:

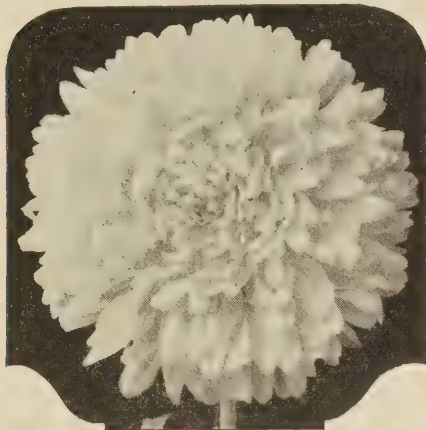
This a popular early flowering Aster branching, 20 inches tall, blooming in early August and a fine cut type.

- Ballet Queen.** AST-8Q. 20¢
A fascinating salmon-rose.
- Crimson.** AST-8C. 20¢
- Pure White.** AST-8W. 20¢
- Salmon-rose.** AST-8Z. 20¢
- Queen of the Market Blend.** AST-8X. 20¢
This is a blend of the colors for cut flower use and not a mixture of left-overs.

Oz. 75¢; lb. \$6.50. (Any of the Above)

AMERICAN BRANCHING:

Plants 2-2½ ft. tall, branching, robust, flowers double, semi-ball shaped, late August. These can be had in all Aster colors.



AMERICAN BRANCHING ASTER

- Helda. AST-1H. 20¢
Pure soft salmon-rose; makes a delicate display as a cut flower. Oz. \$1.25; lb. \$9.00.
- Sensation. AST-1S. 20¢
A fine scarlet color; excellent cut-flower. Oz. 75¢; lb. \$7.00.
- Leuchfeuer. AST-1L. 20¢
A fiery copper scarlet; excellent for cutting. Oz. 90¢; lb. \$9.00.
- Colors Separate. Oz. 90¢; lb. \$6.50.
- Blend. Oz. 80¢; lb. \$5.50 AST-1X. 20¢

CREGO:

Plants robust, branching; 2-2½ ft. tall; flowers large, double; blooms mid-August; an all purpose type

- Enchantress. AST-2E. 20¢
Lovely salmon-rose; NEW. Oz. 90¢; lb. \$8.50.
- Blue Flame. AST-2B. 20¢
A fine clear dark blue. Oz. 90¢; lb. \$8.50.
- Colors Separate: White, lavender, rose-pink, shell-pink, deep rose, crimson. Oz. 90¢; lb. \$8.50.
- Crego Blend. AST-2X. 20¢

GIANTS OF CALIFORNIA:

The flowers are of the Crego-type, curled and twisted petals making a fine cut flower sort; stems stiff and non-branching; 3 ft; blooming in late summer.

- Azure-Blue. AST-4B. 25¢
A rich cut-flower shade. Oz. 90¢; lb. \$9.00.
- Crimson. AST-4C. 20¢
- Loveliness. AST-4L. 20¢
A rich pure pink, touched with salmon. Oz. 90¢; lb. \$9.00.
- Peach Blossom. AST-4P. 20¢
Opens white, flushed lavender-pink. Oz. 90¢; lb. \$9.00.
- White. AST-4W. 20¢
Pure white. Oz. 90¢; lb. \$9.00.
- Giants of California Blend. AST-4X. 20¢
Oz. 85¢; lb. \$8.50.

GIANT OSTRICH FEATHER:

Plants 2-2½ ft. tall; branching; blooming in mid-August; flowers feathery, double and an all-purpose flower; wilt-resistant.

- Bright Rose. AST-6Z. 25¢
- Crimson. AST-6C. 20¢
- Malmaison Pink. AST-6P. 20¢

- Pure White. AST-6W. 20¢
- Blend. AST-6X. 20¢
- Any above: Oz. 80¢; lb. \$8.00.

POM POM or LILLIPUT:

Small flowered type; incurved petals; showy cut flower for small bouquets or edging.

- Forerunner. AST-11F. 20¢
A new carmine-rose variety. Oz. \$1.00; lb. \$10.00.
- Sunbeam. AST-11S. 25¢
A clear yellow variety; new. Oz. \$1.00; lb. \$10.00.
- White with Blue Center. AST-11WB. 20¢
- White with Red Center. AST-11WR. 20¢
- Crimson. AST-11C. 20¢
- Dark Blue. AST-11B. 20¢
- Blend. AST-11X. 20¢
- Any of above. Oz. \$1.00; lb. \$10.00.

SUPER GIANTS OF CALIFORNIA:

This is the largest and most double Aster class yet developed; flowers 6-8 inches across, graceful, interlacing petals. Plant 2½ ft. high; 6-8 non-lateral stems per plant.

- El Monte. AST-10C. 25¢
A deep clear deep crimson.
- Los Angeles. AST-10L. 25¢
A beautiful shell pink making it a fine variety for cutting and make-up work.

PERENNIAL SPECIES OF ASTERS:

NOTE: I would like to hear from anyone who is making a speciality of the Aster species, especially grown from seed.

- alpinus. AST-14. 30¢
Violet flowers; 10 inch high; HP.
- alba. AST-14A. 30¢
A white rockery form; daisy-like flowers on 6 inch plants; HP.
- Wolfii. AST-14W. 40¢
Taller; blue fls; Alps.
- Beechwood. AST-14B. 40¢
- Goliath. AST-14G. 30¢
¼ Oz. \$1.00.
- Large Flowered Types. AST-14L. 30¢
Large flowered types; 9 inch plants; HP. ¼ Oz. 85¢.
- superbus. AST-14S. 30¢
Larger flowers than the type; showy.
- caucasicus. AST-20. 30¢
Purple ray fls; heads 1½ inches across; 2 ft; HP.
- communis crassulus. AST-23. 30¢
A small flowering white; Montana; August; 2 ft; HP.
- conspicuous. AST-25. 30¢
Profuse blooming; 1 inch pure rose flowers; 18 inches high; HP.

(Seed was short this year—expect more)

- dumosus "Victor". AST-36V. 40¢
- Farreri. AST-40. 35¢
Narrow violet ray flowers; vermilion-orange disks; 1 ft; HP.
- himallaicus. AST-57. 35¢
Heads 1½ inches across; lilac-blue ray flowers; 18 inches tall; HP.
- meritus. AST-75. 75¢
Pretty pinkish violet flowers, flat-topped race; July; 12 inches; HP; (II).
- ptarmicoides. AST-94. 40¢
White, cream centers; July-August; 12"; HP; (II).
- Purdonii. AST-97. 50¢
Brilliant violet with hump of flaming orange; 9"; China; HP.
- pyrenaicus. AST-98. 40¢
Flowers 2½" across, rays lilac; 1½ ft; HP.
- sikkimensis. AST-108. 30¢
- subcaereus. AST-110. 30¢
Very large lilac-blue flowers; very good; 9 inches high; HP.

—**Star of the Warburg.** AST-110W. 30¢
Bright lavender-blue; prominent yellow center.

—**tibeticus.** AST-122. 40¢
Bright blue, heads 2" ac; Tibet; 1 ft; HP.
—**Perennial Aster Blend.** AST-PX. 25¢
1/4 Oz. 50¢.

ASTILBE.

(ah-STIL-be) Saxifragaceae. The florist Spirea; easily forced in the greenhouse; sow seed in December using soil containing sand, peat and leaf mould. They thrive in moist soil and part shade; they germinate readily if seed is frozen 5-10 days than at 45-55 F under glass; try C-23.

—**chinensis.** ASTI-4. 30¢
A dwarf form; white flowers; 2 ft; HP. (Seed was short this year—expect more)

—**rivularis.** ASTI-10. 30¢
Yellowish white flowers in large panicles; 5 ft; HHP. (Seed was short this year—expect more)

ASTRAGALUS.

(as-TRAG-ah-lus) Leguminosae. Deeply cut lvs and purple, yellow or white fls in spikes or racemes; thrives in light sandy soils and used in the RG or border; easily grown from spring sown seeds.

—**alopecuroides.** ASTR-4. 40¢
Yellow fls in dense spikes; 5 ft; HP.

—**crassicaulis.** ASTR-15. 40¢
Buffalo Pea; raspberry clusters; 15"; HP; (II).

—**missouriensis.** ASTR-27. 40¢
Showy magenta-purple fls in clusters; 5 ft; HP; (I).

—**Purshii.** ASTR-30. 30¢
Mat forming, white woolly lvs; fls white or blue; sun; HP.

—**spatulatus.** ASTR-40. 50¢
Tufted RG; bright purple little heads; 4" HP; (I).

ASTRANTIA.

(as-TRAN-shi-ah) Umbelliferae. Flowers are in odd and attractive umbels and they make interesting plants for the border, especially in moist places; seed of the varieties do not come 100% true.

—**bavarica.** ASTN-3. 30¢
—**major.** ASTN-5. 35¢
Pinkish, rose or white fls in umbels with showy bracts, tinged purple; fine stream-side flower; 3 ft; HP.

ASTROCHLAENA.

—**malvacea.** ASTL-1. 30¢
South Rhodesian flower; (IX). (Seed was short this year—expect more)

ATALAYA.

—**hemiglaucia.** ATAL-3. 50¢
White fls in summer; (IX); good ornamental; 30 ft.

ATRIPLEX.

(AT-rip-plex) Chenopodiaceae. **SALT BUSH.** Small plants and shrubs generally grown on dry salty soils; one species in the herb list.

—**hortensis.** ATRI-4. 25¢
Orach. Sow seed in April; thin to 18" apart; grown like Spinach; 6 ft; HA.

—**numularia.** ATRI-8. 25¢
Old Man Salt Bush. Good hedge plant; 6-10 ft.

ATROPA.

(A throp-a) Solanaceae. **BELLADONNA.** Mainly grown for its drug properties.

—**Belladonna.** ATRO-1. 25¢

Shining black berries; 3 ft; HP; poisonous; a drug herb.

AUBRIETIA.

(aw-BREE-she-uh)

Mat forming perennials prized for their abundant flowers in the spring; they are favorites in the rockery and closely allied to and resemble Arabis. Easily grown from seed, starting them anytime, for flowering the next spring; they are especially good between rocks and like a little shade; C-23.

—**deltoides.** AUBR-2. 25¢
All the garden varieties belong to this species; lilac. 1/4 Oz. 70¢.

—**Campbellii.** AUBR-2C. 25¢
Ageratum-blue flowers.

—**Eyrei.** AUBR-2E. 25¢
A very beautiful violet-blue; HP. 1/4 Oz. 80¢.

—**graeca.** AUBR-2G. 25¢
Large and more bushy than type; HP. 1/4 Oz. 70¢.

—**Hybrids.** AUBR-2HY. 25¢
Large flowered types; HP.

—**Hendersonii.** AUBR-2H. 25¢

—**Giant Hybrids.** AUBR-2GH. 25¢

—**Leichtlinii.** AUBR-2L. 25¢
Carmine-rose. 1/4 Oz. \$1.20.

—**Whitewall Gem.** AUBR-2W. 25¢
Pretty violet flowers; HP. 1/4 Oz. \$1.00.

—**violacea.** AUBR-2V. 25¢
Improved form, pure violet flowers.

—**Mrs. Rodewald.** AUBR-2R. 40¢
This want breed true but as it is the best of all Aubrietias, it's off-spring should be good.

—**Aubrietia Blend.** AUBR-2X. 25¢

AUCUBA.

(aw-KEW-buh)

Cornaceae. Evergreen shs grown in cool GH or outdoor in S; ornamental fol; part shade; moist well drained soil.

—**japonica.** AUCU-6. 30¢
Dark green shining lvs 7" long; 15 ft. Oz. 50¢; lb. \$1.50.

—**variegatis.** AUCU-6V. 25¢
Oz. 50¢; lb. \$1.60.

AUREOLARIA.

(aw-ree-ol-LAY-ree-uh)

Scorophulariaceae. N. Am. perennials.

—**flava.** AURE-2. 25¢
4 ft HP; yellowish orange fls, 2" long; July-Aug; Wis-Miss; (IV).

AVENA.

Ornamental Oats

(ah-VEN-ah) Gramineae. Ornamental Oats; mostly annual grasses with loose panicles; seed sown early in the spring or in the fall in the South; ornamental.

—**sterilis.** AVEN-6. 25¢
Animated Oats; 3 ft; awns 2" HA.

AZALEA.

Rhododendron. The Azaleas belong to the Rhododendrons but we will list some of the trade items here; culture as for Rhododendrons.

BABIANA.

(bab-ee-AY-nuh) Iridaceae. South African cormous plants to be grown indoors in the N or outside in the S. Flowers in terminal clustres or racemes.

—**hypoena.** BABI-4. 35¢

—**sambucina.** BABI-12. 35¢
Mauve with darker markings; 4"

—**stricta v. sulphurea.** BABI-13S. 40¢
Pale yellow to white variety; 1 ft; S. Af.

(VIII).

—**sulphurea.** BABI-15. 35¢
Cream fls; 10 inches.

USE SYMBOLS WHEN ORDERING SEED

BACCHARIS.

(bak-KAR-iss) Compositae. Shrubs with small white or yellowish heads in corymbs or panicles. They are showy.

—**halimifolia.****BACC-7. 50¢**

Groundsel-bush. 12 ft; (IV); grows along the sea shore and marshes. **Oz. 60¢; lb. \$4.50.**

BAERIA.

(BEER-ee-uh)

Small Calif. native annuals; 1 foot; with heads of small yellow daisy-like fls; blooms late spring or summer, easy; good for edging or for everlasting flowers.

—**aristata.****BAER-1. 30¢**

Useful for edging or Everlasting fls; heads $\frac{1}{2}$ inch across.

—**chrysostoma.****BAER-3. 30¢**

(B. aristata) 10"; heads $\frac{1}{2}$ in ac; HA.

BAILEYA.

(BAY-le-yah)

Compositae. Native of deserts and dry reionsg of W. N. America.

—**multiradiata.****BAIL-3. 30¢**

(mull-tihr-ray-DEE-ay-tiss) Fl-heads $1\frac{3}{4}$ " ac; Texas; $1\frac{1}{2}$ ft; HA. $\frac{1}{4}$ Oz. 90¢.

BALLOON VINE: see *Cardiospermum*.

BALM, Lemon: see *Melissa officinalis*.

BALSAM Garden see *Impatiens balsamina*.

BALSAMORHIZA.

Balsam Root

(bol-sam-or-RYE-zuh) Compositae. Balsam Root. Nice plants for the wild garden with Sunflower-like fls; sandy soil.

—**sagittata.****BALS-5. 30¢**

Lvs like shields; 2 ft; April; HP; (IV).

BANKSIA.

(BANKS-ee-ah)

Proteaceae. Australian evergreen shrubs and trees; flowers in dense terminal spikes; grown in the far South; not easy by seed;—

—**serrata.****BANK-24. 50¢**

Large bottle-brush flowers, 8 inches; lovely silver leaves; tree to 20 ft; Australia.

BAPTISTA.

FALSE INDIGO

(bap-TEZ-ee-ah) Leguminosae. Sturdy perennials, growing to 6 feet; foliage is a deep green and attractive in the border; the flowers resemble Lupins in form and come in all shades of blue, white and yellow. Late in the fall the seed pods turn dark and are thus rather showy. Seed can be planted where the plants are to grow; rich soil best; HP.

—**australis.****BAPT-2. 20¢**

Deep blue fls; 3-4 ft; June-July; HP; (IV); **Oz. 90¢.**

—**alba.****BAPT-2A. 25¢**—**Hybrids.****BAPT-2H. 20¢**

In shades of blue.

—**tinctoria.****BAPT-9. 30¢**

Yellow pea-blossoms in summer; sunny, dry sandy soil best; HP.

BARLERIA.

(bar-LEER-ee-uh) Acanthaceae. Tropical plants grown in the greenhouse in the N. They have showy bracts.

—**lupulina.****BARE-3. 40¢**

Thorny sh; long gray lvs with red midrib; yellow fls; GH.

BARTONIA aurea: see *Mentzelia Lindleyi*.

BASIL, Sweet: see *Ocimum basilicum*.

BAUHINIA.

(boh-HIN-ee-ah) Leguminosae. Tropical plants grown out doors in the South. They

make a fine showing with their colorful racemes of white, purple and yellow flowers; TP.

—**acuminata.****BAUH-2. 30¢**

White flowers in racemes; 6 ft shrub; TSh; (X).

(Seed was short this year—expect more.)

—**Galpinii.****BAUH-6. 30¢**

Half climbing sh; 6 ft; terre cotta fls; TSh

—**magalandra.****BAUH-9. 30¢**

Collected in South Rhodesia.

Brick-red fls; pods 5" long; S. Af.; 10 ft.

—**Petersiana.****BAUH-12. 30¢**

Mauve fls; tr to 15 ft; S. Af.

—**purpurea.****BAUH-13. 25¢**

Small Indian tree; orchid-like fls; bright rose; (X).

—**lomentosa.****BAUH-15. 40¢**

St. Thomas Tree. Sh to 15 ft yellow fls with a red blotch on petal; from E. Af.; (X). (Seed was short this year—expect more.)

—**variegata.****BAUH-18. 30¢**

Mountain Ebony; Orchid Tree. Popular tree for the South; (IX).

—**Mixed.****BAUH-X. 25¢****BEANS: Ornamental.**

Only those that are grown for ornament are listed here.

—**Scarlet Runner.****BEAN-1. 25¢**

Pretty climber with scarlet fls; 10 ft; TA. Lb. 90¢.

BEAUFORTIA. (beau-FORTH-ee-ah)

Colorful plants for light soils; full sun; do not disturb the roots.

—**squarrosa.****BEAF-7. 25¢****BEAUMONTIA.**

(beau-MON-te-ah)

Apocynaceae. Vines native of East India with showy funnelform fls in terminal cymes; (X).

—**grandiflora.****BEAM-1. 40¢**

Herald's Trumpet. White trumpet fls; 5" long and broad; fragrant; sh. or tr. (Seed was short this year—expect more.)

BEGONIA

(be-GON-ee-ah) Begoniaceae. This is a popular plant, especially for pot culture. The seed is rather small and should not be covered with soil; care must be used in germinating them and the casserole method is usually best for small lots. Begonias are divided into three classes: fibrous rooted, tuberous rooted and rhizomatous.

SEMPERFLORENS: Easy to grow, making excellent flowering pot-plants. Sow seed in May, which makes good plants by fall; 55 deg. F. is good germinating temperature. C-40.

—**Albert Martin.****BEG-2T. 50¢**

Carmine flowers.

—**Christmas Cheer.****BEG-2C. 50¢**

A Christmas red; a fine variety.

—**Erfordia.****BEG-2E. 50¢**

A dainty rosy carmine variety.

—**Glow.****BEG-2GK. 50¢**

Improved Fire Sea; brilliant scarlet and dark foliage.

—**Gustav Knaake.****BEG-2K. 50¢**

A strong grower in a fiery crimson.

—**King of the Reds.****BEG-2R. 50¢**

Dwarf, bright scarlet and bronze foliage.

—**Rose de Bois de Veaux.****BEG-2V. 50¢**

A compact rose variety.

—**Snowcloth.****BEG-2W. 50¢**

Pure white and green foliage.

—**Salmon Queen.****BEG-2Q. 50¢**

Salmon-red and dark foliage; popular.

—**Vernon.****BEG-2N 50¢**

A nice scarlet flower.

- Wintermarchen.** BEG-2M. 50¢
Carmine-rose flowers and green foliage.
—**Blend of Varieties.** BEG-2X. 50¢
Trade packets holding 3 times the quantity of seed for \$1.00 each.

SEMPERFLORENS GRACILIS: Compact and dwarf plants, especially suited for pot culture in the greenhouse where a dwarf plant is needed; they can be used in bedding; C-40.

- Ball's Dark Rose.** BEG-3BR. 50¢
—**Ball's Red.** BEG-3BR. 50¢
—**Carmen.** BEG-3C. 50¢
Bright rose and bronze foliage.
—**Indian Maid.** BEG-3M. 50¢
A nice bright scarlet with bronze foliage.
—**Luminosa.** BEG-3L. 50¢
Deep scarlet and bronze foliage.
—**compacta.** BEG-3LC. 50¢
An extra dwarf strain of the above.
—**Prima Donna.** BEG-3D. 50¢
Rose turning to carmine.
—**Radio.** BEG-3R. 50¢
A large flowered carmine-scarlet.
—**White Pearl.** BEG-3W. 50¢
—**Blend of Above.** BEG-3X. 50¢
Trade packets containing 3 time the regular packet for \$1.00 each.

TUBEROUS ROOTED:

Seed can be started in Feb. in a 60 deg. F. house. Seed is small; use sand and leaf mould, equal parts; press seed into soil carefully, cover with glass; C-39.

- Single Mixed.** BEG-4SX. 50¢
Seed can be supplied in the following separate colors, European grown seed; new new crop harvested during December: Dark Blood Red; Bright Scarlet; Brilliant Rose; Deep Orange; Golden Yellow; Pure White; Copper-red and Salmon.
Pkt. 50¢; 1/64 Oz. \$4.00. Any color.
—**Double Mixed.** BEG-4DX. 50¢
The double flowered strain can also be had in the following separate colors: Dark Blood Red; Bright Scarlet; Brilliant White; Copper-red and Salmon.
PRICE: any color. Pkt. 50¢; 1/64 Oz. \$2.75.

BEGONIA SPECIES:

The seed of most Begonia species is not plentiful and supplies in many cases depends on those growing them as a hobby; We will appreciate any one able to save good seed if they will contact us on the matter.

- acuminata.** BEG-7. 50¢
—**angularis.** BEG-14. 50¢
(B. zebрина).
—**Boweri major.** BEG-19M. 50¢
—**circumbiata.** BEG-27. 50¢
—**coccinea.** BEG-22. 50¢
Fibrous-rooted; large wax-like coral fls.
—**epipsila.** BEG-52. 50¢
—**Evansiana.** BEG-43. 50¢
Tubrous; 2 ft; stands some frost; flesh colored flowers.
—**alba.** BEG-53A. 50¢
—**ferruginea.** BEG-47. 50¢
Collected in Columbia.
—**foliosa.** BEG-48. 50¢
Fibrous; 18" fls white tinged with rose; good basket type Begonia.
—**Francesii.** BEG-58. 50¢
—**gigantea.** BEG-54. 50¢
Small white or pale pink flowers; good for pots or bedding.
—**incana.** BEG-90. 50¢
—**involutrata.** BEG-94. 50¢
—**Kelleranii.** BEG-91. 50¢
—**macbethii.** BEG-46. 50¢
—**metallica.** BEG-104. 50¢
—**REX type.** BEG-117. 50¢

Many foliage variations; popular pot pl.
LW; C-38.

- Roezii.** BEG-136. 50¢
—**rubro-venia.** BEG-140. 50¢
—**sandersii.** BEG-91. 50¢
—**suboillosa.** BEG-157. 50¢
—**scharffiana.** BEG-147. 50¢
—**Schmidtiana.** BEG-150. 50¢
—**Basket Type Tuberos.** BEG-158BX. 50¢
—**Tuberos Mixed.** BEG-158X. 50¢
—**Many Hybrids.** BEG-158F. 50¢
—**Begonia Blend.** BEG-X. 50¢
This contains all kinds of Begonias.

BEILSCHMIEDIA.

- tawa.** BEIL-15. 50¢

BELAMCANDA.

(bel-am-KAN-dah) Iridaceae. Iris-like perennials with stout root stalk, grown for their flowers and blackberry-like fruits which can be made up into dried material. Easily grown in full sun; best in sandy soil.

- chinensis.** BELA-1. 25¢
Black-berry Lily; 4 ft; orange spotted red fls; HP.
—**Roots:** Mailed during Sept.; 3 for 75¢; 12 for \$1.60.

BELLIS

Compositae. Annuals and perennials growing in tufts; easily grown from seed sown in early spring for flowers the next season; favorite for edging or can be planted in the lawn; C-31; LW.

- SUPER GIANT STRAIN:** Special selection; fls measure up to 2" ac; nice pot plant.
—**White.** BELL-8W. 25¢
—**Deep Pink-Rose.** BELL-8Z. 25¢
—**Cerise-Red.** BELL-8R. 25¢
—**Mixed.** BELL-8X. 25¢
Any above: 1/2 Oz. \$2.25.

CHEVREUSE: An extra large flowering strain.

- White.** BELL-5W. 25¢
—**Rose.** BELL-5Z. 25¢
—**Crimson.** BELL-5C. 25¢
—**Mixed.** BELL-5X. 25¢
Any of above: 1/2 Oz. \$2.00.

MINIATURE TYPE:

Small flowered type, very dainty for edging; HB.

- Rose.** BELL-7Z. 25¢
—**White.** BELL-7W. 25¢
—**Miniature Mixed.** BELL-7X. 25¢

MONTSTROSA TUBULOSA: Quilled petals; very showy.

- for bedding.
—**Red Beauty.** BELL-4R. 25¢
—**Rose Beauty.** BELL-4Z. 25¢
—**White Beauty.** BELL-4W. 25¢
—**Montrosa Mixed.** BELL-4X. 25¢

MONTSTROSA TUBULOSA:

- Quilled petals; very showy.
—**Bernina.** BELL-6B. 25¢
White changing to pink; double.
—**Eina.** BELL-6E. 25¢
Double dark red.
—**Lutea.** BELL-5L. 25¢
Rich yellow flowers.
—**Pure Rose.** BELL-6Z. 25¢
—**Tiflis.** BELL-6T. 25¢
Double carmine-rose.
—**Tubulosa Blend.** BELL-6X. 25¢
Any above: 1/2 Oz. \$1.00.

PERENNIS:

The true or English Daisy; 6"; popular spring flowers; HP.

- Longfellow. BELL-3L. 20¢
An extra double bright red.
—Rose. BELL-3LZ. 25¢
Same in a pure rose.
—monterosa. BELL-3M. 25¢
A pure rose; fine.
—Vesuvius. BELL-3V. 25¢
Nice ruby-red.
—Rosea. BELL-3Z. 25¢
White with delicate rose centers.
—Snowball. BELL-3W. 25¢
Pure white.
—Perennis Blend. BELL-3X. 20¢
Any of above: ½ Oz. \$1.30.

BELLS of IRELAND: see *Molucella laevis*.

BERBERIS. (BER-ber-is)
Barberry. Berberidaceae. Well known sh of great ornamental value and easily grown from seed sown in the fall when they germinate in the spring.

- koreana. BERB-53. 50¢
Flowers in racemes, 1" long; bright red berries; Korea; 6 ft.
—Piperiana. BARB-66. 40¢
Similar to Mahonia aquifolium but lower
—Thunbergii. BERB-84. 25¢
Clean seed \$5.00 per lb.
—atrapurpurea. BERB-84A. 25¢
Dark scarlet-red lvs. d. b. lb. \$5.00.
—pluriflora. BERB-84P. 40¢
More erect and leafy; from selected plants; Oz. \$1.50.

BERLANDIERA.

Compositae. Natives of the S. U. S. and Mexico; yellow ray- and disk-flowers; spring and summer.

- lyrata. BERL-1. 30¢
Covered in spring and summer with yellow fls with black centers, 1" ac; 8"; HA. Oz. 75¢; lb. \$8.00.

BERTOLONIA.

(ber-toh-LOH-nee-uh) Melastomaceae. Dwarf Brazilian plants; flowers in racemes. They are very attractive foliage plants in the GH, the lvs being purplish on under side and different metallic colors above; dense shade, humid atmosphere.

- maculata. BERT-2. 50¢
Lvs velvety green above, veins bordered with purple or magenta band; fls rose. (Seed was short this year—expect more)
—marmorata. BERT-4. 75¢
Lvs streaked with white along veins; fls purple. (Seed was short this year—expect more)

BESCHORNERIA.

Amarillidaceae. Mexican evergreen shrubs resembling the Yucca.

- tuberflora. BESC-2. 35¢

BESSEYA: see *Synthesis*.

BETULA.

(BET-yew-luh)
Birch. Betulaceae. Deciduous trees of the North; thrive in moist sandy soils; transplant seedlings after one year's growth.

- mandshurica v. japonica. BETU-22J. 50¢
Japanese White Birch. Oz. 75¢; lb. \$5.00.
—papyrifera. BETU-26. 25¢
Canoe or Paper Birch. Oz. \$1.50.
—populifolia. BETU-28. 35¢
Birch. Tree to 45 ft; white bark; very pretty; use fresh seed.

BIDENS.

(BYE-denz) Compositae. Only garden species listed. Burr-Marigolds.

- dahloides. COS-10. 30¢
(Cosmos atrosanguineus) Black Cosmos; red disk and dark velvety-red rays; per, but grow as annual; June-Oct; sun.
—coronata. BIDE-4. 40¢
Heads 2½" ac; rays golden yellow; IV); HA or HB.
—tripartitus. BIDE-15. 25¢

BIGNONIA: see *Tecoma*. (Tecomaria).
—Tweediana: see *Doxantha Unguis-cati*.

BILLBERGIA.

(bil-BURR-jee-uh) Bromeliaceae. Stemless epiphytic plants of tropical America; lvs in rosettes or clusters; fls showy, blue, in spikes or panicals; it is a showy plant for the GH or as a house plant.

- Blend of Species. BILL-X. 75¢

BIXA.

(BIX-uh)
Bixaceae. Tropical Amer. trees; grown for its dye.

- Orellana. BIXA-1. 30¢
Annatto. Tropical tr. with rose fls 2" ac; fr. reddish brown; (X). Oz. 80¢; lb. \$5.00.

BLIGHIA.

(BLYE-gee-uh)
Sapindaceae. W. Af. tree named for Capt. Bligh, of Mutiny on the Bounty fame.

- sapida. BLIG-1. 35¢
Akee. Ornamental tr. to 40 ft; for moist soil; will stand 25 degree F; (IX).

BLOOMERIA.

(bloo-MEER-ee-uh)
Liliaceae. Natives of S. Calif; basal grass-like leaves; flowers yellow, wheel-shaped; they stand down to 20 degrees Far. in well drained soils. Dig corms up after flowering and replant in the fall.

- Clevelandii. BLOO-2. 30¢
A miniature Bloomeria; nice in RG; HHP.
—crocea. BLOO-1. 40¢
Golden Stars. Pure yellow; 18"; (V).

BOCCONIA cordata: see *Maclaya cordata*.

BOEHMERIA.

(boh-MEER-ee-uh)
Urticaceae. Mostly natives of warm regions; makes nice GH plants for their ornamental fol; (IX).

- Columbian species. BOEH-1. 30¢
—nivea. BOEH-8. 50¢
Ramie; Chinese Silk Plant. Sh to 6 ft; fls in panicles to 6" long; China; (IX).

BOLTONIA.

(bol-TOH-nee-ah) Compositae. Resembles wild Asters; easily grown from seed; it makes nice border or wild garden display; good in moist places.

- latisquama. BOLT-2. 30¢
Masses of white to pinkish Aster-like flowers; showy in masses; good to cut; 5 ft; HP.

BOLUSTANTHUS.

(bo-lu-SAN-thus) Leguminosae. One Af. tree suitable for the South.

- speciosus. BOLU-1. 50¢
15 ft; bright blue fls, pendulous racemes.

BOMBAX.

(BOM-bax) Bombacaceae. Large ornamental tropical trees; planted in the far S.

- malabaricum. BOMB-1. 50¢
Fls 4" ac; fr. 6" long; 100 Seeds \$4.00; 1,000, \$15.00.

USE SYMBOLS WHEN ORDERING SEED

BORAGO.

(bor-A-go)

Boraginaceae. Borage. Medit. plants useful in the garden, rockery and one grown as a herb.

—**officinalis.****BORA-3. 25¢**

An attractive plant; nodding heads of sky-blue fls; June-Sept; 2 ft; HA; can start from March to May; space 1 ft; it is an excellent plant for bee food. **Oz. 45¢.**

BORONIA.

(bo-RON-ee-ah)

The genus contains some of the loveliest of Australian flowers. Most Boronias like sheltered, well drained places; very hot or cold winds are fatal.

—**ledifolia.****BORO-6. 40¢**

Deep pink flowers; dark green leaves; a very beautiful plant.

—**megastigma.****BORO-7. 40¢**

Fragrant penetrating bloom; found on wet soils; 2 ft; flowers purple, yellow inside; W. Aust.

BOTRYCHIUM: see Fern List.

We are always interested in the source of any seeds not listed—in many that are.

BRACHYCOME.

(bra-KIK-oh-me)

A pretty and easily grown Australian annual, thriving in dry and sunny situation. They are covered with Cineraria-like flowers; good for edging or in the front border; seed sown in Aug. or Sept. will make excellent pot plants in early spring. sow seed in late April where they are to grow; makes a nice pot plant; C-7.

—**iberidifolia.****BRAK-1. 20¢**

Comes in several shades; June-Oct; 9"; HHA; space 6-9"; C-7.

—**Blue Bird.****BRAK-1B. 25¢**—**White.****BRAK-1W. 20¢**—**Pink.****BRAK-1P. 20¢**—**Mixed.****BRAK-1X. 20¢**

1/2 Oz. 60¢.

BRAILOCACTUS: see under Cacti.**BRODIAEA.**

(broh-di-EE-ah)

Liliaceae. Hardy in the VIII zone; used in borders or in pots; soil must be well drained.

—**californica.****BROD-2. 30¢**

Violet-purple fls; 1 ft; Calif; HP.

—**capitata.****BROD-3. 30¢**

Now *Dichelostemma pulcellum*. (!) Earliest; light blue; HP.

—**coronaria.****BROD-4. 50¢**

Violet-purple fls; 18"; B. C. to Calif.

—**Hendersonii.****BROD-7. 50¢**

Yellow fls-heads; fls striped brown; very choice; sun or part shade; 4-6"; Ore.

—**ixiodes.****BROD-8. 50¢**—**orcuttii.****BROD-9. 30¢**

San Diego Wild Hyacinth.

—**puchella.****BROD-11. 30¢**

Erect heads; clear blue fls; 2 ft; sun; HP.

—**Brodiaea Blend.****BROD-X. 25¢****BOTTIONEA.**

(bot-ti-OH-ne-ah) Liliaceae. One bulbous plant from Chile.

—**thysanoloides.****BOTT-1. 50¢**

(*Anthericum plumosum*, *Trichopetalum gracile*) White fls, 1 1/2" ac; 16"; HHP.

(Seed was short this year—expect more)

BRACHYCHITON.

(brak-ik-RYE-ton)

Australian Flame Tree. (*Sterculia*) Bright scarlet flowers; very pretty; (X). ft. sh; China; (IV).

—**acerifolium.****BRACC-1. 40¢**

Australian Flame Tree. (*Sterculia*) Flowers bright scarlet; one of the most spect-

acular of Australian trees. **Oz. 70¢.**

—**populeum.****BRACC-7. 30¢**

Kurrajong. Ornamental Aust trs; fls yellowish white, reddish inside, followed by fruits; (X).

BRACHYLOTTIS.

(brak-i-GLOT-tis)

Compositae. Small trees and shrubs hardy in (X) zone; fls in terminal panicles with ray- and disk-fls.

—**rpanda.****BRAG-12. 35¢**

Lvs 1 ft long; bracts white, shining; N. Z. (X); 12 ft.

BRAHEA filamentosa and **filifera:** see **Washingtonia filifera.** Palms.

BRAHEA glauca: see **Eryihea armata.**

BRASSICA.

(BRAS-ee-uh)

Cruciferae. Mustards. Cool weather plants; all easil grown.

—**nigra.****BRAS-19. 25¢**

Black Mustard. Main source of table mustard; 6 ft; HA.

BRIZA.

(BRY-zah)

Quacking Grass. Ornamental grass grown for bouquets, dried or for specimen planting outdoors; sow seed early; C-17...

—**maxima.****BRIZ-1.20¢**

A handsome species; bronze spikelets on slender drooping stems; May-Aug; 1-2 ft; HA; space 9"; C-17.

—**minor.****BRIZ-2. 20¢**

Smaller and daintier than maxima; 9-12"; HA; space 6"; C-17.

BROMELIADS.

Mostly very nice GH foliage plants in N; grown as pot plants.

—**Columbian species.****BOEH-1. 40¢**

(Seed was short this year—expect more)

BROWALLIA.

(broh-WALL-ee-ah)

Solanaceae. Free flowering half hardy annuals; excellent bedding plants; space 6"; they have intense blue fls; sunny places and good drained soil; start early; they make good pot plants.

—**americana.****BROW-1. 25¢**

(*B. elata*; *demissa*) Fls small, beautiful violet-blue; best started in March at 60 degrees F. As a pot plant, use loamy soil and pot firmly; 2 ft; HHA.

—**speciosa major.****BROW-3. 25¢**

Deep blue fls, 2" ac; hanging baskets; TP; space 12"; (C-41)

—**viscosa comp. v. Sapphire.****BROW-4S. 30¢**

Compact; dark blue with white eye; 9"; nice pot plants; HHA; (C-41).

BRUCKENTHALIA. (bruk-en-THAL-lee-ah)

Ericaceae. One evergreen Heather-like shrub; (IV).

—**spiculifolia.****BRUC-3. 40¢**

(bruk-en-THAL-ya) Ericaceae. But one Heather-like sh; 10"; RG; very small bell-shaped pink sh in racemes; (IV).

BRUNFELSIA.

(brun-FEL-zee-uh)

(brun-FEL-zi-ah) Solanaceae. GH shrubs and trees in the N or grown out doors in the far S. Fls in dense terminal cymes; rich loose compost and liberal feeding while in growth, blooming best if pot bound; 50 degree at night.

—**americana.****BRUN-1. 40¢**

Lady-of-the-Night. 8 ft. shrub; white fls; very frag at night. 100 Seeds, \$3.50; 1,000, \$18.00.

- BRUNNERA.** (brunn-er-ah)
 Boraginaceae. Similar to *Anchusa*.
 Goodeniaceae. Australian genus.
 —*australis*. **BRUA-1. 50¢**
 Blue Pin-cushion. 1 ft; per; fl-heads
 blue; Australia.
- BRUNONIA.** (bru-NON-ee-ah)
 —*australis*. **BRUN-1. 30¢**
 Mat of dark green lvs; beautiful sky-blue
 pincussion-like fls, 1" ac on stalks 1 ft
 high; Australia.
- BRYONIA.**
 Bryony. Sow seed in fall, exposed to
 snow and frost.
 —*alba*. **BRYO-1. 40¢**
- BUDDLEJA.** (BUD-lee-ah)
 Butterfly Bush. Loganinaceae. Sow seeds
 over heat in the spring; hardy up into the
 IV zone. They are very pretty.
 —*asiatica*. **BUDD-2. 30¢**
 Tender; grow inside from spring sown
 seed; white.
 —*Colvillei*. **BUDD-5. 30¢**
 Dense spikes of purple fls; 15 ft; (V).
 —*Davidii*. **BUDD-7. 30¢**
 (variabilis) Oz. 50¢.
 —*Farrei*. **BUDD-8. 50¢**
 Large sh; gray fol; pale mauve fls; (V).
 —*globosa*. **BUDD-9. 30¢**
 Orange-yellow fls; striking; 15 ft; (V).
 —*intermedia*. **BUDD-10. 30¢**
 Hybrid; violet fls in drooping panicles.
 —*japonica*. **BUDD-11. 50¢**
 —*lindleyana*. **BUDD-16. 35¢**
 c. s. Oz. 50¢.
 —*Buddleja Blend*. **BUDD-X. 25¢**
- BULBINELLA.** (bulb-in-NELL-uh)
 Liliaceae. Perennials with fleshy tuberous
 roots; basal lvs; fls in dense racemes; S. Af;
 N. Z; border; rich soils.
 —*robusta v. latifolia*. **BULB-7R. 40¢**
 Bright yellow fls; 1½ ft; S. Af; border.
- BULOPHA.**
 —*Zeyhene*. **BULO-7. 40¢**
 Native of South Rhodesia; (IX).
- BUPHTHALUM.** (bewf-THAL-mum)
 —*salicifolium*. **BUPH-23. 30¢**
 Neat border plant; golden yellow fls;
 root-runner; 2 ft; HP. ½ Oz. 60¢.
- Burnet, Garden.** see *Sanguisorba officinalis*.
- BUTIA.**
 Yatay Palm. Palmaceae. Hardy in (IX)
 or Gulf Coast.
 —*Yatay*. **BUTI-9. 50¢**
 (Cocos Yatay) Native of Argentina.
- It helps if both the name and symbol are
 given on your order — use order blanks.
- ### CACTI
- This is a popular name for over 100
 genera. Seeds are offered under their
 proper headings and we will try to list
 here each genus for which we have seeds.
- The following list of *Cactus species* is
 really a rare list and not often offered; I
 will be able to enlarge this list in the next
 issue in December. In many species there is
 but a few packets and it will be well to list
 a few substitutes, when ordering.
 Sow seed in sandy soil in semi-shade;
 when germinated, move to full sun. Use
- extreme care in watering, too much is
 fatal; water from below; C-63.
WS: suitable for window sill culture;
CG: cool greenhouse; **WG:** warm house.
- ACANTHOCEREUS.**
 (ak-anth-oh-SEER-us)
 —*acutangulus*. **ACAR-2. 60¢**
- BRAILOCACTUS.**
 —*haselbergii*. **BRAZ-8. 60¢**
- CEPHALOCEREUS.**
 —*senilis*. **CEPL-52. 60¢**
- CEREUS.**
 (SEER-ee-us).
 —*peruvianus monstrosus*. **CERE-29M. 35¢**
- CORYPHANTHA.**
 (kor-if-ANTH-uh)
 —*pseudonickelsiae*. **CORAN-56. 50¢**
 —*retusa*. **CORAN-62. 50¢**
 —*vaupeliana*. **CORAN-72. 60¢**
 —*werdermanniana*. **CORAN-76. 60¢**
- CRASSULA.**
 —*albiflora*. **CRAS-4. 50¢**
 —*falcata*. **CRAS-40. 50¢**
 —*perfoliata*. **CRAS-68. 50¢**
- DOLICHOTHELE.**
 This genus should be in with *Mammil-*
laria, according to some authorities.
 —*aylosteria*. **DOLH-3. 60¢**
 —*Baumii*. **DOLP-6. 60¢**
- ECHINOCACTUS.** (ek-in-oh-KAK-tus)
 (WS, CG, NF) Globular with deep ribs;
 yellow fls with pointed petals; easy; usual
 soil compost.
 —*electracanthus*. **ECHK-75. 60¢**
 —*visnaga*. **ECHK-140. 60¢**
- ECHINOCEREUS.** (ek-in-oh-SEER-us)
 (WS, CG) Most brilliant fls; low grow-
 ing; easy if on dry side during winter;
 full sun during growth; porous soil, fairly
 rich, loam.
 —*Baileyi*. **ECHU-8. 60¢**
 —*conglomeratus*. **ECHU-21. 60¢**
 —*Leonensis*. **ECHU-45. 60¢**
 —*Reichenbachii*. **ECHU-75. 50¢**
- ESPOSTOA.**
 Beautiful plants; require very little wat-
 er at all times.
 —*melanostele*. **ESPO-9. 60¢**
 Matted silky hairs.
- FRAILEA.**
 Low growing small plants; shade during
 summer; no water during winter.
 —*colombiana*. **FRAI-9. 60¢**
 Yellow flowers.
- GIBBAEUM.**
 —*album*. **GIBB-2. 50¢**
 —*dispar*. **GIBB-5. 50¢**
 —*Heathii*. **GIBB-12. 50¢**
 —*Nelii*. **GIBB-19. 50¢**
 —*perviride*. **GIBB-27. 50¢**
 —*petrense*. **GIBB-27. 50¢**
 —*pubescens*. **GIBB-31. 50¢**
 —*Shandii*. **GIBB-34. 50¢**
- KRAIZIA.**
 —*longiflora*. **KRAI-12. 60¢**
- LEMAIREOCEREUS.**
 (WS, CG) Tall growing; very attractive;
 rich soil with gravelly sand.
 —*Beneckii*. **LEMA-5. 60¢**
 (Cereus farinosus) A beautiful species.

- kunjasensis*. LITH-29. 60¢
 —*kuibisensis*. LITH-28. 75¢
 Yellow fls; grows in clumps.
 —*Lesliei*. LITH-32. 50¢
 Very pretty; yellow fls; Sept.
 —*lineata*. LITH-33. 45¢
 —*marmorata*. LITH-34. 50¢
 Scented white fls.
 —*merrillii*. LITH-37. 75¢
 —*olivacea*. LITH-39. 50¢
 Yellow flowers.
 —*otseniana*. LITH-42. 75¢
 —*pseudotruncatella*. LITH-44. 50¢
 Yellow flowers in October.
 —*Ruschiorum*. LITH-48. 40¢
 —*Vanzijlji*. LITH-59. 40¢
 Small reddish yellow fls; very lovely.
 —*Weberi*. LITH-63. 50¢
- PLEIOSPILOS.** (plye-oh-SPYE-los)
 —*Dekenahii* PLEP-7. 50¢
 —*Nelii*. PLEP-15. 50¢
 —*optata*. PLEP-19. 50¢
 —*simulans*. PLEP-28. 50¢
- OTHER SUCCULENT PLANTS**
- ALOE.**
 —*comosa*. ALOE-17. 50¢
 —*ferox*. ALOE-27. 50¢
 —*dichotoma*. ALOE-21. 50¢
 —*Dinteri*. ALOE-22. 50¢
 —*Fosteri*, Orange. ALOE-28G. 50¢
 —*—Scarlet*. ALOE-28S. 50¢
 —*—Yellow*. ALOE-28Y. 50¢
 —*Marlothii*. ALOE-57. 50¢
 —*microstigma*. ALOE-60. 50¢
 —*plicatilis*. ALOE-72. \$1.50
 This is exceptionally rare in seed. In
 20 years, it has been offered only once in
 a German seed list.
 —*rubrolutea*. ALOE-78. 50¢
 —*variegata*. ALOE-107. 50¢
- ANACAMPSEROS.** (an-ak-KAMP-ser-uh)
 —*filamentosa*. ANAR-7. 40¢
 —*rosulata*. ANAR-11. 40¢
- ARGYRODERMA.**
 —*brevipes*. ARGY-5. 50¢
 —*patens*. ARGY-15. 50¢
 —*testiculare*. ARGY-24. 50¢
- CARPANTHEA.**
 —*pomeridiana*. CARA-9. 50¢
- CARPOBROTUS.**
 —*edulis*. CARO-7. 50¢
- CISSUS.**
 —*Juttae*. CISS-23. 50¢
- CEPHALOPHYLLUM.**
 —*decipiens*. CEPL-9.5 ¢
- CHEIRIDOPSIS.**
 —*brevis*. CHED-6. 50¢
 —*candidissima*. CHED-8. 50¢
 —*Comptonii*. CHED-16. 50¢
 —*Euprea*. CHED-20. 50¢
 —*Duplessiae*. CHED-19. 50¢
 —*Peculiaris*. CHED-35. 50¢
 —*Pillansii*. CHED-40. 50¢
- CYLINDROPHYLLUM.**
 —*calamiforme*. CYLI-4. 50¢
- DROSANTHEMUM.** dros-ANTH-e-mum)
 —*speciosum*. DROS-19. 50¢
 Crimson or orange fls; 18 inches.
- DIDYMAOTUS.**
 —*lapidiformis*. DIDY-4. 50¢
- ECHINUS.**
 —*edentulus*. (apiculatus) ECHS-5. 50¢
- FAUCARIA.** (faw-KAY-ree-uh)
 —*acutipetala*. FAUC-1. 50¢
 —*Britteniae*. FAUC-7. 50¢
- GLOTTIPHYLLUM.**
 —*Mixed*. GLOT-X. 50¢
- HAWORTHIA.**
 —*Mixed*. HAWO-X. 50¢
- HEREROA.**
 —*Rehnettiana*. HERE-8. 50¢
- LAMPRANTHUS.**
 —*amoenus*. LAMP-4. 50¢
 Pale magenta fls; 3 ft.
 —*aureus*. LAMP-6. 50¢
 Nice; golden yellow fls.
 —*blandus*. LAMP-8. 50¢
 Prostrate; magenta fls.
 —*conspicuus*. LAMP-15. 50¢
 Rich magenta fls; nice; prostrate.
 —*glaucus*. LAMP-29. 50¢
 Yellow fls; good; 1 ft.
 —*roseus*. LAMP-40. 50¢
 Rose shades; dandy; 1 ft.
 —*spectabilis*. LAMP-43. 50¢
 Low growing; magenta fls.
- NANANTHUS.**
 —*Malherbei*. NANA-8. 50¢
 —*Villetii*. NANA-23. 50¢
- ODONTOPHORUS.**
 —*Marlothii*. ODOT-5. 50¢
- OSCLARIA.**
 —*caulescens*. OSCU-4. 50¢
 —*deltoides*. OSCU-8. 50¢
- OTHONNA.**
 —*carnosa*. OTHO-3. 50¢
- PIQUETIA.**
 —*Pillansii*. PIQU-5. 50¢
- PUYA.** (PEW-yuh)
 —*alpestris*. PUYA-1. 60¢
 —*raimondii*. PUYA-12. 60¢
 —*spatacea*. PUYA-16. 60¢
- RHINEPHYLLUM.**
 —*Comptonii*. RHIN-3. 50¢
- SEMMANTHE.**
 —*lacera*. SEMM-3. 50¢
- TITANOPSIS.**
 —*setifera*. TITA-12. 50¢
- VANHEERDIA.**
 —*divergens*. VANH-3. 50¢
-
- CACTUS BLEND**
 An extra fine blend of many Cacti, both
 American and foreign genera.
 PRICE: CACT-X. 50¢
-
- CAESALPINA.**
 (sez-al-PIN-ee-uh) Leguminosae. Trees
 and shrubs of tropical regions, very orna-
 mental and planted in the far South; soak
 seeds in warm water, for 12 hours before
 planting; transplant at sign of first true
 leaf as they dislike disturbing.

- coriaria.** **CAES-2. 50¢**
(*Libidia coriaria*) Divi-Divi. 30 ft; yellow
fls. 100 Seeds \$3.00; 1,000, \$15.00.
—**Gilliesii:** see **Poinciana Gilliesii.**
—**mexicana.** **CAES-8. 50¢**
Shrub to 18 ft; yellow fls; (X).
—**pulcherrima:** see **Poinciana pulcherrima.**
—**spinosa.** **CAES-14. 50¢**
(*C. tinctoria*, *Coueteria tinctoria*, *Tara*
spinosa) Tr or sh; yellow fls in dense
racemes to 8" long; (IX). **Oz. 95¢; lb. \$8.00.**

CAILLIEA.

- nyassana.** **CAL-2. 30¢**
Shrub with Acacia-like lvs; *S. Rhodesia*;
(IX).

CAJANUS.

- (kaj-AY-nus)
—**Cajan.** **CAJA-1. 30¢**
Pigeon-Pea Tropical shrub; yellow or
orange fls; far South. **Oz. 75¢; lb. \$5.00.**

CALANDRINA.

- (kal-an-DRIN-ee-ah)
Low growing fleshy plants, grown as an-
nuals in the rockery or for edging. Flowers
are orange-yellow and coppery rose to brick-
red or crimson-magenta. Best in sunny spot.
—**amaranth.** **CALD-1. 25¢**
Oz. 90¢.
—**ciliata v. Menziesii.** **CALD-4. 25¢**
Rd Maids. Crimson fls; erect; HA.
—**umbellata.** **CALD-8. 30¢**
Scarlet fls to 6"; Peru; HA. $\frac{1}{4}$ **Oz. 1.00.**

CALCEOLARIA.

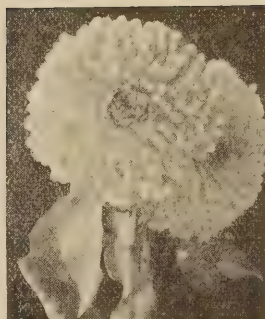
- (kal-se-oh-LAY-ri-ah)
A very large genus from C. and S. America
of creepers, herbs and shrubs. All have the
pouch or slipper-shape flowers, usually in
yellow, often with dots and splashes of other
colors. Many are GH plants; they are not
hardy in the North.

The best time to start for pot plants is
in June; seed is very fine, so use care; mix
seed with some sand and sow; do not cover
seed but press down—cover pan with
glass. Germination usually is about a
week or 10 days; prick out into flats, 1"
apart, keeping them in a cool moist place.
They can be carried over summer, when
established in their pots, in a cold frame.
C-42; LW.

- biiflora.** **CALC-2. 40¢**
Bright yellow fls; hardy and easy; 5";
HP.
—**crenatifolia.** **CALC-4. 30¢**
Yellow with orange-brown spots; GH.
—**hybrid rugosa.** **CALC-4R. 50¢**
Small flowered; in best colors; pretty.
—**grandiflora tigrina.** **CALC-9. 50¢**
Finest strain of tigered flowers.
—**herdeonhybrida.** **CALC-10. 50¢**
(Perfect Model) A nice form of *C. cren-*
atifolia.
—**mexicana.** **CALC-16. 30¢**
Pale yellow; HA species; easily grown
out doors; cover seed lightly; June-Sept;
1 ft; showy; space 9".
—**Florist Small Flowered.** **CALC-10FX. 50¢**
The best strain obtainable.
—**Florist Mixed.** **CALC-FX. 50¢**

CALENDULA

Compositae. Definitely cool weather flow-
ers and in the South should be sown in the
fall. They like full sun but do not take well
to the burning sun of summer; in the North
either start indoors or plant where they are
to grow; select the right varieties for green-
house or out door planting. 2 feet; all HA.
(kal-LEND-u-lah)

**CALENDULA — Florist Strain****PACIFIC STRAIN:**

A recently introduced strain with large
beautifully formed flowers; C-2.

- Persimmon Beauty.** **CALN-7PB. 25¢**
Garnet-orange
—**Cream Beauty.** **CALN-7PC. 25¢**
Beautiful cream-white shading.
—**Lemon Beauty.** **CALN-7PL. 25¢**
Pure lemon color; long wide petals give
the fls a much more graceful appearance
with the centers well covered. **Oz. \$1.00.**
—**Persimmon Beauty.** **CALN-7PP. 25¢**
True persimmon-orange of unusual bril-
eance and size with graceful aupearance;
centers well covered; C-2. **Oz. \$1.00.**
—**Pacific Mixed.** **CALN-7PX. 20¢**
Any above: $\frac{1}{2}$ **Oz. 60¢; lb. \$9.00.**

- Amber Glow.** **CALN-7A. 20¢**
Long stems; amber-yellow with dark
centers making it a showy cut-flowers.
—**Apricot Queen.** **CALN-7AQ. 20¢**
A beautiful apricot color.
—**Ball's Extra Double.** **CALN-7BD. 25¢**
Free flowering, bright double orange;
choice GH. variety for winter growing.
—**Ball's Gold.** **CALN-7BG. 25¢**
Deep golden yellow; GH variety.
—**Ball's Masterpiece.** **CALN-7BM. 25¢**
Clea orange with dark center; GH var'y.
—**chrysantha.** **CALN-7C. 20¢**
Large clear buttercup-yellow.
—**Campfire.** **CALN-7CF. 20¢**
Large brilliant orange with lemon sheen.
—**Corniche d'Or.** **CALN-7CO. 20¢**
A prtty golden yellow variety.
—**Frilled Beauty.** **CALN-7FB. 20¢**
Double orange with frilled petals.
—**Indian Maid.** **CALN-7NM. 20¢**
NEW. Pale orange with distinctive mar-
oon eye; showy.
—**Jewell.** **CALN-7J. 20¢**
Deep orange, full double, semi- dwarf;
a fine bedder.
—**Lemon Queen.** **CALN-7LQ. 20¢**
Prettl sulphur-yellow; flat head.
—**Le Proust.** **CALN-7LP. 20¢**
Nankeen yellow; excellent.
—**Mammoth Orange.** **CALN-7MG. 20¢**
Best extra large deep orange.
—**Market Tangerine.** **CALN-7MT. 20¢**
Deep tangerine-orange; showy.
—**Meteor.** **CALN-7M. 20¢**
Double orange with yellow stripes; fine.
—**Orange King.** **CALN-7GK. 20¢**
(Special Strain) Rich deep orange-red,
dark center, continuously grown and sel-
ected for over 25 years; Extra good for
florist use. **Oz. \$1.00; 4 oz. \$3.75.**
—**Orange Fantasy.** **CALN-7GS. 20¢**
A crested type in orange; different.
—**Sunshine.** **CALN-7S. 20¢**
Golden yellow; curled petals; long stems;
good for cutting.

- Radio. CALN-7R. 20¢
Double quilled petals; orange-scarlet.
- Radio Golden Beam. CALN-7RG. 20¢
Pure golden yellow; curled petals.
- Yellow Colossal. CALN17YC. 20¢
Large Chrysanthema type and more double.
- Florist Varieties Mixed. CALN-7FX. 20¢
Oz. 50¢; 4 oz. \$1.00.
- Art Shades Mixed. CALN-7ASX. 20¢
In light pastel shades.
- ANY ABOVE: Oz. 50¢; ½ lb. \$2.00.
- Mixed Garden Varieties. CALN-GX. 20¢
Oz. 40¢; 4 oz. 85¢.

CALIFORNIA POPPY: see *Eschscholtzia*.
CALLA LILY: see *Zantedeschia*.

CALLIANDRA. (kal-lee-AND-ruh)
Leguminosae. (Anneslia) Tropical shrubs grown in the far South or in the GH farther North.

- surinamensis. CALI-7. 50¢
Large evergreen sh or tr from Dutch Guiana, bearing powder-blue-like fls, and white stamens with brightly tinted pink tips much resembling the Mimosa tree (*Albizia julibressin*); very pretty; (X).

CALLICARPA.
(kal-lik-KARP-ah) Beauty Bush. Very attractive sh and trs having small pink, bluish or white flowers in axillary clusters followed by very showy berry-like fruits; hardy in (V) zone.

- americana. CALE-1. 35¢
French Mulberry. Sh to 6 ft; May-June; fr violet; (V).
- Bodinieri V. Giralddi. CALE-3G. 50¢
Shrub to 10 ft; pink fls in dense cymes to 1½" ac; July-Sept; fr violet; (IV). Oz. 90¢; lb. \$8.00.
- dichotoma. CALE-5. 50¢
- japonica. CALE-7. 50¢
(purpurea).

CALLIOPSIS

Compositae. The annual varieties of *Coreopsis* are listed here; the perennials are under *Coreopsis*. These are hardy annuals and make fine displays in the border as well as excellent cut-flowers. Sow seed early in April where they are to grow and thin to 6" of strong growth; C-7. (kal-lee-OP-siss).

DRUMMONDII. Most of the garden sorts belong to this species. Annuals to 2 ft; flower heads 2" across and on long stalks; flowers are rays; C-7. Golden Wave.

- Gold Crest. CALP-7GC. 20¢
Smi-double crested rich golden fls.
- Golden Crown. CALP-7GN. 20¢
Crested, rich golden yellow. ½ Oz. 30¢.
- Golden Wave. CALP-7GW. 20¢
Pure yellow with dark brown center.
- Semi-dwarf Mixed. CALP-7DX. 15¢
Plants 2-2½ ft; in all colors.
- Tall Varieties Mixed. CALP-7TX. 15¢
Double and semi-double; fine for garden.
- bicolor marmorata. CALP-25M. 20¢
Bright golden, marbled with wallflower-red.
- Crimson King. CALP-7CK. 20¢
Dwarf variety with red fls. ½ Oz. 30¢.
- Golden Ray. CALP-7GR. 20¢
Dark purplish brown center; broad golden petals; dwarf.
- nigra speciosa. CALP-7N. 20¢
Quaint reddish maroon flower.

TINCTORIA: These showy bordered plants are also good for cut-flowers; the rays are yellow, crimson-brown at the base and the disk brownish purple; HHA; 12-18".

- bicolor. CALP-6D. 20¢

Yellow and brownish purple fls; 24";
—nana. CALP-6BC. 20¢
Dwarf growing; golden yellow and crimson.

- Hybrids. CALP-6DX. 20¢
Double flowers in many colors.
- Dazzler. CALP-6D. 20¢
Rich brilliant colors; 9 inches.
- Golden Sovereign. CALP-6G. 25¢
A new dwarf English variety. ½ Oz. 35¢.
- Tiger Star. CALP-6TS. 20¢
Rich bronze, striped and mottled yellow; 1 ft; pretty. ½ Oz. 30¢.
- Mixed Tinctoria Varieties. CALP-6X. 15¢
- Dwarf Goblin Mixed. CALP-6GX. 20¢
½ Oz. 30¢.
- Dwarf Mixed. CALP-DX. 15¢
½ Oz. 30¢.

OTHER SPECIES:

- cardaminefolia. CALP-8. 20¢
Bicolor flowers in yellow and brown, 1" across; 2 ft; HA.
- Blood-Red. CALP-8B. 25¢
- nueceusis. CALP-18. 25¢
Yellow rays, dark lined, heads 2" across; 2 ft; HHA.

CALLIRHOE. (kal-LIHR-oh-ee)

Maloaceae. Poppy-Mallow. N. A. annuals and perennials with picturesque lobed foliage and showy flowers in pink, red or reddish purple; long in bloom; thrives in poor and dry soils; sow seed in Feb. at 45 deg. F; sow as soon as seed is available.

- involutcreta. CAL-2. 25¢
Wine Cup. Claret-crimson; cup-shaped; June-Sept; 3 ft; treat as HHA; space 12".

CALLISTEMON. (kal-liss-STEEM-on)

Bottle-brushes. They are among the most showy and decorative of Australian shrubs and trees; cut back well after flowering to keep them shapely; (Myrtaceae); (IX).

- citrinus. CALS-3. 30¢
(*C. lanceolata*) Fls with bright red stamens; 30 ft; (VIII); Australia.
- phoenicis. CALS-8. 30¢
Brilliant red flowered type; 6 ft.
- linearis. CALS-12. 25¢
Heavily blooming pin-flowered Bottle-bush; very choice; fls with red stamens; (VIII).
- rugulosus. CALS-13. 25¢
- speciosus. CALS-17. 40¢
Very showy species.

CALLISTEPHUS: see *Asters*.

CALLUNA. (kal-LEW-nuh)

Heather. Ericaceae. One hardy evergreen shrub with many varieties.

- vulgaris. CALL-1. 35¢
Rosy pink fls; 2 ft; late summer; HP.
- alba. CALL-1W. 40¢
The best white variety.
- St. Patrick. CALL-1S. 40¢
Red-brown foliage; 4-6"; Aug.-Sept.

CALOCHORTUS. (kal-oh-KORT-us).

Liliaceae. Mariposa-Lily; Globe Tulip. W. Amer. plants forming corms and bearing bell-shaped lilac, yellow or white flowers. They are also known under Star Tulip; Sego Lily; Fairy Lanterns. They are of great beauty, hardy but need protection from winter heaving; sunny places; light soil; treat as you would the regular Tulip.

- albus. CALO-2. 25¢
Flowers white, purplish at base; 2 ft; HP.
- concolor. CALO-12. 30¢
- Hybrid. CALO-21. 25¢

A possible hybrid between *C. concolor* and *C. Weddii*.

—**Superba.** **CALO-6HX. 25¢**

Excellent strain of bicolor hybrids.

—**luteus v. citrinus.** **CALO-23C. 25¢**
Lemon-yellow with dark brown spot; 2 ft; HP.

—**macrocarpus.** **CALO-25. 25¢**
Lavender; 10"; June-July; HP.

—**Maweanus.** **CALO-26. 30¢**

Best of the genus; lavender; RG; 4"; HP.

—**Nuttallii.** **CALO-32. 50¢**

Sego Lily. Pretty chalice, marked gold-maroon; 18"; HBB.

—**splendens.** **CALO-38. 30¢**

Lilac Mariposa. Calif; 2 ft; HHP.

—**Weedii.** **CALO-46. 30¢**

Yellow dotted with orange-brown; 2 ft; HP.

—**Calochortus Blend.** **CALO-X. 25¢**

CALODENDRUM. (kal-oh-DEN-drum)

—**capense.** **CALR-1. 50¢**

Oape Chestnut. A beautiful tree with dark green foliage and showy flowers, light rosy lilac with purple dots; grown in the S.

CALONYCTION.

(kal-oh-NIK-tee-on) Convolvulaceae.

Moonflower. Tropical twining plants that are grown as annuals in the N; notch seeds before planting for best germination; they make pretty vines.

—**aculeatum.** **CALY-1. 25¢**

(I. ona-Nox) Common Moonflower; white.

—**Black Seeded.** **CALY-1B. 20¢**

—**Tuba.** **CALY-5. 30¢**

Similar to *C. aculeatum*; white fls, 6" long; S. Fla; (X).

CALOTHAMNUS. (kal-oh-THAM-nus)

Myrtaceae. Australian shrubs; showy fls in clusters or spikes.

—**asper.** **CALH-1. 40¢**

Lowly pine-needle Bottle-brush; superb red fls all year in Calif; drought resistant; best all-round tropical shrub.

CALPURNIA. (kal-PUR-ne-ah)

Leguminosae. Trees and shrubs; flowers in racemes; native of S. Af. and grown out doors in the S and in the GH in the N. They are very ornamental.

—**aurea.** **CALU-1. 30¢**

African Laburnum. 15 ft; yellow flowers.

CALTHA. (KALTH-ah)

Ranunculaceae. Small succulent perennials thriving in marsh land near running water but they can be grown in moist sections of the garden. They are long lasting when cut.

—**biiflora.** **CALT-1. 30¢**

White buttercups; RG; full sun; HP.

—**leptosepala.** **CALT-4. 25¢**

Similar to *C. bicolor*; 4"; HP.

—**scaposa.** **CALT-8. 25¢**

CALYCANTHUS.

(kal-ik-K A N T H-u-s) Calycanthaceae.

Sweet Shrub. N. Am. shrubs with fragrant brownish fls; best in a rich well drained soil.

—**citrinus.** **CALS-3. 30¢**

—**floridus.** **CALS-4. 50¢**

Carolina Allspice. 10 ft; fls dark reddish brown, 2" ac; (V). Oz. \$1.00; lb. \$12.00.

—**linearis.** **CALS-12. 30¢**

—**rugulosus.** **CALS-13. 30¢**

CALYTRIX.

Myrtaceae. Heath-like Australian shrubs; hardy in the South.

—**terragona.**

CALY-4. 25¢

CAMASSIA.

(ka-MASS-ee-ah)

Liliaceae. N. Am. bulbous plants with blue and white flowers in graceful racemes and narrow grass-like foliage; very hardy; plant in groups.

—**esculenta.** **CAMA-3. 25¢**

Erect spikes of pale blue; cuts; 2 ft; HP.

—**Leichtlinii.** **CAMA-6. 25¢**

Pretty purple to creamy white; 18-24"; HP.

—**Quamash.** **CAMA-7. 25¢**

Blue fls; 18"; May; fine; HP.

—**Sasanqua.** **CAMA-4. 50¢**

Shrub; fls red to white, 2" ac; pretty.

Oz. 50¢; lb. \$4.00.

—**Camassia Blend.** **CAMA-X. 25¢**

CAMELLIA.

((kam-MELL-ee-uh)

Theaceae. Ev. trees and shrubs. Popular ornamentals for the South or GH; seedlings makes the best stocks for grafting.

—**japonica.** **CAME-3. 50¢**

The common Camelia of our South; it comes in many varieties. Oz. 50¢; lb. \$2.50.

—**japonica fl. pl.** **CAME-3D. 40¢**

This is a double flowered variety. 100 seeds 75¢.

CAMPANULAS

(kam-PAN-u-lah) Bell-flowers. Biennials, perennials and a few annuals. They are excellent for the border and some for the RG and all make nice cut flowers. They can be started early indoors or as late as July; a covering of leaves for winter protection is good; prefers a light loamy soil. For a good book on all species order Crook's "Campanulas", \$5.00. It is good.

It is recommended to sow seed of the annuals direct to where they are to grow; nearly all are definitely lime-haters and all the perennials, excepting the Himalayan species are best sown late in the fall.

MEDIUM: Canterbury Bells. Single flowers; 3 ft; June-July; HB; C-29; LW.

—**Blue.** **CAMP-1B. 20¢**

—**Lilac.** **CAMP-1L. 20¢**

—**Rose.** **CAMP-1Z. 20¢**

—**Blend of Above.** **CAMP-1X. 20¢**

¼ Oz. 40¢; Oz. \$1.20; any of above.

MEDIUM, DOUBLE:

—**Rose.** **CAMP-2Z. 20¢**

—**White.** **CAMP-2W. 20¢**

—**Blue.** **CAMP-2B. 20¢**

—**Dean's Hybrids.** **CAMP-2DX. 20¢**

Double and single flowers.

—**Blend of Above Varieties.** **CAMP-2X. 20¢**

¼ Oz. 50¢; Oz. \$1.60. (Any of above).

CALYCANTHEMA: Cup-and Saucer; 2½ ft; HB; (C-29).

—**White.** **CAMP-3W. 20¢**

—**Blue.** **CAMP-3B. 20¢**

—**Rose.** **CAMP-3Z. 20¢**

—**Lilac.** **CAMP-3L. 20¢**

—**Double & Single Mixed.** **CAMP-3DX. 20¢**

—**Blend of Above Varieties.** **CAMP-3X. 20¢**

¼ Oz. 60¢; Oz. \$1.60; (Any of above).

CAMPANULA SPECIES:

—**Aucherii.** **CAMP-14. 50¢**

Bright lilac fls, 1½" ac; non-running;

neat; early; HP.

—**barbata.** **CAMP-13. 25¢**

Distinct; pretty porcelian-blue; 12"; HP;

this has a tap root; LC.

—**betulaefolia.** **CAMP-15. \$1.00**

Rare; 2" crevice plant with the palest

pink fls; RG; Armenia; very choice; HP.

—**carpatica.** **CAMP-20. 25¢**

Blooms all summer; erect blue fls.; 12" ; HP; LC. ¼ Oz. 50¢.

—**White.** **CAMP-20W. 25¢**

¼ Oz. 50¢.

—**turbinata.** **CAMP-20T. 25¢**

Erect cup-like, light blue fls; neat RG;

6 inches; HP.

—**cephallenica.** **CAMP-23. 50¢**

It is the most distinct of the garganica

group; loose growing; fls larger than type.

—**cochleariifolia.** **CAMP-24. 30¢**

(pusilla) Pretty RG plant; 2-8"; fls nodd-

ing; blue; HP.

—**collina.** **CAMP-25. 25¢**

Deep blue; neat dwarf RG; 8"; HP; LC.

—**cephallenica.** **CAMP-16. 50¢**

Soft lavender; belongs to the garganica

group; large fls; HP.

—**cymbalaria.** **CAMP-27. 75¢**

(C. Billarderi) Dainty and choice; neat;

fragile blue fls.

—**drabifolia.** **CAMP-29. 25¢**

(attica) This is a very showy dwarf RG

species; try in spring bulb beds; violet-blue

with white tube; 6"; July-Aug; HB.

—**Elatinus v. garganica.** **CAMP-30G. 30¢**

Blue stars; 3"; requires lime; is variable

but this is a good selection; HP.

—**Formanekiana.** **CAMP-37. 25¢**

Erect, large showy white fls; lvs silver

gray; 8"; seed will germinate any time but

if sown in Feb. good plants will be had for

the season; plants die down each year after

seed has formed; HP.

—**fragilis.** **CAMP-38. 30¢**

Trailer; fine for baskets; blue fls with

white centers; 16"; HP; (C-44).

—**garganica:** see **Elatines.**

—**incurva.** **CAMP-42. 35¢**

Erect lavender fls 2" long; stems 15";

easy; Greece; HP.

—**latifolia.** **CAMP-51. 25¢**

Very large blue fls; excellent; 3 ft; HP.

—**alba.** **CAMP-51W. 30¢**

—**macrantha.** **CAMP-51M. 30¢**

Large deep violet fls; showy in border;

2 ft; HP; LC.

—**linifolia v. Scheuchzeri.** **CAMP-56S. 50¢**

Large bell-shaped blue fls; 8";

—**Leutweinii.** **CAMP-53. 50¢**

Believe this is true.

—**longstyla.** **CAMP-57. 40¢**

Large nodding blue-purple fls; 18"; HB.

—**moesiaca.** **CAMP-18. 50¢**

—**petsicifolia.** **CAMP-71. 25¢**

Large blue fls; very pretty; 3 ft; HP.

C-23 or 24. Oz. \$1.40.

—**White.** **CAMP-71W. 25¢**

¼ Oz. 60¢.

—**alba fl. pl.** **CAMP-71DW. 30¢**

Double white variety. ¼ Oz. \$1.00.

—**Blue fl. pl.** **CAMP-71DB. 25¢**

—**Telham Beauty.** **CAMP-71T. 25¢**

Fine blue variety; due to chromosome

doubling, is larger in all its parts and

more vigorous. ¼ Oz. 75¢.

—**Poscharskyana.** **CAMP-78. 40¢**

Lovely pale blue fls; 4"; HP.

—**punctata.** **CAMP-86. 30¢**

Many fls in white spotted inside; 24"; HP.

Best month to sow for summer fls is in

Feb., inside; try sandy soil.

—**Pyramidalis.** **CAMP-87. 25¢**

Chimney Bellflower. Fine border; pale

blue; 3 ft; HP.

—**alba.** **CAMP-87W. 25¢**

Either color: ¼ Oz. 50¢.

—**Raineri.** **CAMP-81. 50¢**

3-4" high; deep violet fls; Alps; HP.

—**Rapunculus.** **CAMP-96. 25¢**

Rover Bell-flower. An invading Cam-

panula; erect; 3 ft; not recommended for

gardens on account of its invasive nature

but it pretty in waste places; HP.

—**rotundifolia.** **CAMP-99. 25¢**

Harebell. Slender, graceful habit; pale

blue; 18"; HP; LC.

—**superba.** **CAMP-99S. 30¢**

Large flowered var; 2 ft; HP. ¼ Oz. \$1.00

—**Olympic.** **CAMP-99P. 25¢**

Large beautiful deep lavender fls; 2 ft;

HP; LC.

—**sarmatica.** **CAMP-103. 25¢**

Very distinct dwarf species; violet nod-

dling fls; 18"; HP.

—**Sartori.** **CAMP-104. 25¢**

White narrow bell-shaped fls; 10"; good

crevice plant; HP.

—**Speculum:** see **Specularia Speculum-Ven-**

eris. **SPEC-3. 25¢**

—**spruneriana.** **CAMP-115. 50¢**

Lavender blue bugles on thread-like

stems; 6"; HP.

—**thyrsoides.** **CAMP-121. 30¢**

Erect, very leafy; fls in spikes, yellowish;

the only 'yellow'; lime; fls in spikes; 2"; HB

—**Tommasiniana.** **CAMP-122. 25¢**

Nodding violet fls; stem not upright; 1

ft; HP.

—**Trachelium.** **CAMP-124. 25¢**

Blue-purple fls, nodding, in loose race-

mes; 3 ft; HP.

—**Rock Garden Species.** **CAMP-RG. 50¢**

Low growing types for the rockery.

—**Campanula Blend.** **CAMP-X. 25¢**

CAMPISIS.

Trumpet Creeper. Bignoniaceae. Climb-

ing shrub; rich soil; sunny positions.

(Tecoma grandiflora) Chinese Trumpet.

Scarlet fls, 3" ac; (IV). Oz. 70¢; lb. \$5.00.

—**grandiflora.** **CAM-2. 30¢**

—**radicans** **CAM-4. 30¢**

Trumpet Vine. (IV). Oz. 60¢; lb. \$4.00.

CAMPTOSONIS: see under **Ferns.**

CANARY-BIRD-VINE: see **Tropaeolum.**

CANDYTUFT: see **Iberis.**

CANNA. (KAN-noh)

Cannaceae. Tropical summer flowering

plants growing from thick fleshy tuber-like

roots; they are valued for bedding, their

tropical appearing foliage and brilliant flow-

ers making a bold display. File notch in

seed before planting and soak in warm water

24 hours; start early in the spring; 4-10 ft.

C. FLACCIDA: The commonly grown type.

C-45.

—**Crozy.** **CANA-1C. 20¢**

Dark leaved sort in vivid pink, red, yel-

low and orange; TP. Oz. 80¢; lb. \$8.00.

—**New Giant Hybrid.** **CANA-1H. 25¢**

Oz. 80¢; lb. \$8.00.

CAPPARIS. (KAP-par-iss)

—**spinosa.** **CAPP-2. 25¢**

Caper-Bush. Shrub to 3 ft; grown ex-

tensively in the Medit. regions for its flow-

er buds, known as Capers. c.s. Oz. 60¢; lb.

\$2.60.

CAPSICUM. (KAP-se-kum)

Solanaceae. Pepper. Under this heading

are listed the ornamental Peppers; they make

excellent pot plants, and are grown for Xmas

plants; requires a warm temperature, sun

and fairly rich soil; C-22.

—**Everbearing.** **CAPS-1E. 30¢**

Good sized bush or tr; grows all year;

bears small sized peppers that are edible;

good in salads, stews, etc; (X).

—**Florida.** **CAPS-1F. 25¢**

Short pointed pods on compact plants.

- Tom Thumb.** **CAPS-IT. 25¢**
Small plant with miniature red pods.
—**Miniature Mixed.** **CAPS-IMX. 25¢**
—**Xmas Tree Lights.** **CAPS-ICT. 25¢**
Hot pepper grown as a pot plant.
Capsicum Blend. **CAPS-X. 20¢**

CARAGANA. (kar-ag-GAY-nuh)
Pea-Tree. Leguminosae. Shs and small trs;
Central Asia; ornamental; sunny places;
sandy soil; sow sp or fall; soak seeds.

- arborescens.** **CARA-2. 30¢**
Yellow fls; May-June; Sib; 20 ft. **Oz. 70¢.**

CARAWAY: see *Carum Carvi* and Herbs.

CARDIOSPERMUM.

(kar-ee-oh-SPERM-um) Sapindaceae. Annuals and perennials, vines hardy in the N and excellent for covering fences or trellises; grows to 10 ft. The seed pods are inflated like balloons; best to sow seeds where they are to grow; light soil and a sheltered spot.

- Halicacabum.** **CARD-3. 20¢**
Balloon Vine. Soak seeds; they take 30 days to germinate; C-8. **Oz. 50¢.**

CARDUUS. (KAHR-deus)
Compositae. Plumeless Thistle; Silybum. Vigorous, robust spiny-leaved annuals and perennials with purple tubular flowers; very striking in both flowers and foliage.

- benedictus.** **CDUS-2. 20¢**
Blessed Thistle. Large yellow heads; sow in April; 2 ft; HA.
—**Marianus.** **CDUS-3. 25¢**
Silybum Marianum. White fls; 4 ft; HA.

CARICA. (KAY-rik-ah)
Caricaceae. Tropical trees with melon-like fruits; grown in the far South.

- cundinamarcensis.** **CARI-2. 25¢**
Collected in Columbia.
—**Papaya.** **CARI-3. 25¢**

CARLINA. (kar-LYE-nuh)
Compositae. Grown in the RG or the the RG; large heads of tubular fls; seed can be planted inside in March. Do not allow plants to flower 1st year, if it has no side shoots. If soil is too rich few fls will form.

- acaulis.** **CARL-2. 25¢**
Stemless HP with solitary white fls to 6" across; 9"; C-24; FG.

CARLUDOVICA. (kar-lew-dol-VYE-kuh)
Cyclanthaceae. Shrubby plants with Palm-like lvs; grown in GH; sow seeds in milled sphagnum; clean pulp off seed.

- palmeta.** **CARU-7. 40¢**
Fan-shaped; Peru; fiber used in Panama hats; popular in GH.

CARMICHAELIA. (kar-mye-KEEL-ee-uh)
Leguminosae. N. Z. Broom. A remarkable genus, almost entirely from N. Z. Most species are leafless or nearly so when mature, the branchlets performing the functions of the lvs; (IX).

- australis.** **CARM-1. 50¢**
Erect sh with thin flat branchlets; fls small, pale purple in small racemes; 6 ft; (IX).
—**compacta.** **CARM-3. 50¢**
Leafless; small pinkish white, frag fls; very dainty; 3 ft; try it as pot plant in N; (VIII).
—**odorata.** **CARM-12. 50¢**
One of the best native Brooms; pend-

ulous; mauve-pink fls in erect racemes; 8 ft; (VIII).

CARNATIONS: see *Dianthus caryophyllus*.

CARPINUS. (kar-PYE-nus)
hardy in N, thriving in ordinary soils; hold in seed bed for 2 yrs; keep moist.

- cordata.** **CARP-5. 50¢**
—**laxiflora.** **CARP-8. 50¢**
—**orientalis.** **CARP-9. 30¢**

CARPODETUS.

Saxifragaceae. N. Z. shrubs or small trees to 30 ft; (X).

- serratus.** **CARO-1. 40¢**
White fls in panicles; 30 ft; (X); N. Z.

CARTHAMUS. (KAHR-tha-mus)

Compositae. Bastard Saffron, Safflower. Spiny leaved annuals; flower heads purplish, yellow or white, making ornamental clumps in the border.

- tinctorius.** **CATH-3. 25¢**
Orange heads; sow in April; 3 ft; HA.

CARUM. (KAY-rum)

CARAWAY. Seed used for flavoring cakes, etc; plant in fall, will seed following season; HB; 3 ft.

- Carvi.** **CARU-3. 30¢**

CASSIA. (KASH-ah)

Leguminosae. Senna. All are sun lovers and best in a sandy loam soil; very attractive with their finely cut foliage and showy flowers. Woody species are GH plants in the N and the herbaceous kinds may be grown in the border; file a notch in the hard seed coat to hasten germination.

- artemisioides.** **CASS-2. 25¢**
Wormwood. Shrub with silky gray lvs; sulphur-yellow fls; TA.

- australis.** **CASS-3. 40¢**
Tall ornamental shrub from Aust; yellow flowers in clusters; (X).

- bicapsularia.** **CASS-5. 25¢**
Shrubs to 10 ft; yellow fls; (IX).

- candolleana.** **CASS-6. 35¢**
Sh covered twice yearly with clusters of golden fls; prune back hard after flowering.

- didymobotrya.** **CASS-13. 35¢**
Sh to 10 ft; fls in racemes, $\frac{3}{4}$ " long; Trop. Af; (X).

- fasciculata.** **CASS-11. 25¢**
Partridge Pea. Easy; golden yellow fls flaked crimson; 18"; HHA.

- Fistula.** **CASS-16. 35¢**
Indian Laburnum. Golden Shower. To 30 ft; long hanging sprays of yellow fls in 1 ft. racemes; also called Pudding-Pipe Tr.

- grandis.** **CASS-17. 35¢**

Pink Shower. Tall tree to 50 ft; weeping habit; peach-pink fls standing up in spurs on the branches; very pretty and good for shade.

- laevigata.** **CASS-18. 25¢**
Ornamental shrub; pretty yellow fls; 6 ft; TP.

- lindheimeri.** **CASS-17. 30¢**
(Velvet Senna) Numerous yellow fls in late summer till fall; dry soil; good hedge; 4 ft. **Oz. 75¢; lb. \$8.00.**

- marilandica.** **CASS-19. 25¢**
Wild Senna. Massive racemes yellow fls; July-Sept; 5 ft; HA.

- moschata.** **CASS-21. 20¢**
Species from Porto Rico and not sure of correct name.

- nicaraguensis.** **CASS-24. 35¢**

One of the showier trees from C. Am; yellow fls; TTr; (X).

—**nodosa.** **CASS-26. 30¢**
Jointwood. Tall tr to 50 ft; rich pink fls in clusters along branches; a great sight when in bloom; (X).

—**Roemeriana.** **CASS-29. 30¢**
Orange-yellow fls in terminal corymbose racemes; 1½ ft; HP; Texas. **Oz. \$1.00.**

—**Sturtii.** **CASS-39. 30¢**
—**tomentosa.** **CASS-45. 30¢**
½ Oz. \$1.50.

CASTILLEJA. (kas-til-EE-yah).

Scrophulariaceae. Painted Cup. Rare, due mainly to the difficulty in growing; do not transplant easily. They are showy annuals, biennials and perennials, native of the West.

—**miniata.** **CAST-19. 30¢**
Flower bract tipped brick-red; fls green edged red; 3 ft; HP.

CASUARINA. (kass-yew-uh-RYE-nuh).

Casuarinaceae. Australian Hardwood tr. and shrubs making nice street trees in the South and doing well near salt water.

—**Cunninghamiana.** **CASU-3. 50¢**
Valuable species; to 70 ft in Australia; th; valuable timber tr; 60 ft; (X?).

—**equisetifolia.** **CASU-6. 50¢**
Horse-tail Tree. To 70 ft; (X).

—**torulosa.** **CASU-10. 40¢**
Grows to 50 ft; cones ½" across.

—**tenuissima.** **CASU-10T. 50¢**
Beef-wood Tree. Odd looking tr with grayish pendulous branchlets; rapid grower.

CATALPA. (cat-TAL-pah)

Bignoniaceae. Popular trs; showy in bloom; useful as ornamental trs; sow seed in spring.

—**bignonioides.** **CATL-2. 30¢**
To 60 ft tr; fls white, 2" ac in panicles.

—**speciosa.** **CATL-11. 25¢**
Western C. 100 ft; (IV). c.s. Oz. 50¢; lb. \$3.50.

CATANANCHE. (kat-ah-NAN-kee)

Compositae. Cupid's-Darts. Herbaceous hardy annuals and perennials with long stalked blue or yellow heads of ray and disk flowers; they are not hard to grow; HP.

—**caerulea.** **CATA-1. 25¢**
Everlasting. Blooms first year; blue ray-fls; June-Aug; 2 ft; HP; C-23.

CAULOPHYLLUM. (kaw-loh-FILL-um)

Two erect rhizomatous perennial plants; border or wild garden.

—**thalictotroides.** **CAUL-1. 50¢**
Blue Cohosh. Yellow-green fls; fruit ornamental; shade.

CEANOTHUS. (see-ah-NOH-thus).

Rhamnaceae. Shrubs and small trees of the Pacific Coast and not hardy in the North. They have pretty small white or pink flowers in dense panicles. Best in a sunny sheltered place in well drained light soil; plants can be dug in the fall and wintered over in a frost-proof house.

—**amaricanus.** **CEAN-1. 25¢**
N. J. Tea. White fls; 3 ft; HP. **Oz. \$2.00.**

—**austromontanus.** **CEAN-4. 25¢**
Evergreen; blue fls; 8 ft; TP.

—**crassifolius.** **CEAN-8. 25¢**
Shrub to 6 ft; white fls; very pretty lvs;.

—**cyaneus.** **CEAN-10. 25¢**
San Diego Lilac. Shrub; dark blue fls; May-June; showy; 10 ft.

—**integerrimus.**

Deer Brush. White fls; 12 ft; HHP.

—**leucodermis.** **CEAN-23. 25¢**

Spreading Lilac. White fls; 12 ft; Calif; (IX).

—**prostratus.**

Creeping ev sh; blue to white fls; gritty soils with clay or leaf mold; sun or light shade; RG; in N dig up plants and store in frost free cellar.

—**tomentosa olivaceum.** **CEAN-47. 30¢**

—**thysiflorus.** **CEAN-48. 25¢**

Blue Blossom. Evergreen to 8 ft; blue fls; Oregon; HP.

—**verrucosus.**

Low shrub covered with clouds of small flowers; S. Calif; (IX).

CEDRONELLA. (sed-ro-NEL-lah)

One perennial shrublet; native of Canary Islands; ornamental.

—**cenaenis.** **CEDR-1. 40¢**

Canary Balm. White or lilac fls in whorls in loose terminal spikes.

CEDRUS. (SEED-rus)

Cedar. Pinaceae.

—**Deodara.** **CEDU-4. 35¢**

Himalayas. **Oz. 50¢; lb. \$4.00.**

—**libanii.** **CEDU-5. 35¢**

Lebanon C. Asia Minor. **Oz. 50¢; lb.**

CELASTRUS. (sel-LAST-rus)

Celastraceae. Twining shrubs with showy capsular fruits; they are hardy and attractive; sow seeds in fall or stratify for spring planting.

—**orbiculatus.** **CELA-6. 50¢**

Orange-yellow fruits; Japan. **Oz. 50¢.**

—**scandens.** **CELA-11. 40¢**

Waxwork or Bitter Sweet. Fls in terminal racemes, 4" long; orange-yellow fr; (III). **Oz. 50¢, d. b; lb. \$4.00.**

CELOSIA

Amaranthaceae. Cocks-comb. Popular annuals, all easily grown from seed which are best started indoors early in the spring. They grow best in a rich soil with plenty of moisture. (sel-LOH-shee-ah).

CRISTATA: The Cockcomb. They make nice pot plants and are also grown for bedding; they are very showy annuals; C-9.

DWARF VARIETIES: About 4-8 inches tall they are especially nice in pots or beds.

—**aurea.** **CLOS-2A. 25¢**

Deep golden combs.

—**Empress.** **CLOS-2E. 25¢**

Dark velvety crimson-maroon; 12"; **Oz. \$1.60.**

—**KARDINAL.** **CLOS-2K. 30¢**

—**President Thiers.** **CLOS-2T. 25¢**

Velvety carmine-red combs; green fol; 10 inches. ½ **Oz. 80¢.**

—**Rose Beauty.** **CLOS-2R. 25¢**

Soft rose combs; pretty in pots.

—**Dwarf White.** **CLOS-2W. 25¢**

The best dwarf white variety.

—**Dwarf Blend.** **CLOS-2DX. 25¢**

TALL VARIETIES: Grows 2-3 ft and nice in beds or border as well as for cut-flowers.

—**Crimson.** **CLOS-3C. 20¢**

Bright crimson combs; 18 inches high.

—**Royal Velvet.** **CLOS-3R. 20¢**

Rich carmine-crimson; bronze foliage with reddish margins.

—**TOREADOR.** **CLOS-3T. 30¢**

New. Large velvety combs up to 12" ac; lustrous red; excellent for cutting or bedding; 18"; introduced in 1955.

—Tall Varieties Mixed. CLOS-3X. 25¢

GILBERT HYBRID COCKSCOMB: These are especially good for cutting, beds and as dried flowers; they hold their colors very long; C-9.

—Green Gold. CLOS-5G. 25¢
Ball-shaped heads, silvery green to a flush rose; 30".

—Harlequin. CLOS-5H. 25¢
Pink, tipped gold, changing to salmon; fine for pots; 18".

—Maple Gold. CLOS-5M. 25¢
Ball-shaped heads; pink tipped with gold; leaves green; 3 ft.

—Rose Beauty. CLOS-5R. 25¢
Large bell-shaped combs; 10-15" across; rose-pink; 3-4 ft.

—Blend of Above Varieties. CLOS-5X. 25¢

PLUMOSA: These are the feather-type Celosias; tall feathery plumes in various colors; the plumes are very showy and are excellent for both cutting or bedding; C-9.

—Golden Plume. CLOS-6G. 25¢
Bright golden spikes; 3 ft.

—Little Guy. CLOS-6LG. 30¢
Showy cerise-red; 15 in; Oz. \$1.25.

—Pampas Plume. CLOS-6PP. 25¢
An improved giant flowered mixture; large feathery spikes carried on good stems and range in color from deep crimson and scarlet, thru copper, gold and bronze; a fast growing strain, ideal for cutting. 1/2 Oz. \$2.00.

—Pride of Castle Gould. CLOS-6P. 25¢
Large fluffy scarlet-crimson plumes; 3 ft.

—Scarlet Plume. CLOS-6SP. 25¢
Showy brilliant scarlet; fine; 3 ft.

—Tango. CLOS-6T. 25¢
A showy terra-cotta; fine contrast for beds; 3 ft.

—Fire Plume. CLOS-6F. 25¢
Red foliage; fire-scarlet plumes; 3 ft.

—Lilliput: The following varieties are low dwarf types of the above.

—Firebrand. CLOS-6LP. 25¢
Bedding or for pots; brilliant scarlet plumes; 1 ft. 1/2 Oz. 50¢.

—Golden. CLOS-6LT. 25¢
Deep yellow on dwarf plants. 1/2 Oz. 50¢.

—Red Plume. CLOS-6LR. 25¢
Brilliant red; 15" plants. 1/2 Oz. 50¢

—Blend of Above. CLOS-6LX. 25¢

—Thompson magnifica, Mxd. CLOS-6M. 25¢
Large bright flashy plumes; a fine strain. 3 ft; fine color range.

—Triumph of the Exhibition. CLOS-6E. 25¢
Another showy strain; 2 1/2 ft.

—Fire Feather. CLOS-6R. 25¢
Dwarf Florist's Strain. Brilliant scarlet in uniform plants, 12 inches high.

—Mixed. CLOS-6X. 25¢
A blend of the above tall varieties.

CHILDSII: Chinese Woolflower. HA; C-9.
—Childsii. CLOS-7X. 25¢

—Mixed Celosia CLOS-X. 20¢
A mixture of all kinds of Celosias.

CELMISIA. (kal-MIS-ah)
Compositae. Perennials native of N. Z. and Aust. with large solitary heads of pure white ray-flowers. (V).

—ceriacea v. Monroi. CELM-1 50¢
Striking plant with silvery fol; large white fls; 18"; HHP.

—discolor. CELM-2. 50¢

—petiolata. CELM-4. 50¢

—longifolia. CELM-5. 50¢

Very hardy Mt. Daisy; white, tipped pink 6 in. tall; HP.

—compacta v. Monroi. CELM-8. 50¢

—spectabilis. CELM-9. 50¢

—Traversii. CELM-11. 50¢

—Blend of Above. CELM-X. 30¢

CELTIS. (CEL-tis)

Ulmaceae. Hackberry. Grown for ornament and shade; hardy in the N; lvs are Elm-like; most species are deciduous trees; sow seed as soon as ripe, in frames.

—laevigata. CELT-9. 50¢

Sugar-berry. Orange-red fruits; Ind.-Texas; to 100 ft.

—mississippiensis: see laevigata.

—occidentalis. CELT-11. 50¢

Orange-red fruits; Canada-Ala; to 120 ft. Oz. 50¢, c. s; lb. \$3.00.

—sinensis. CELT-14. 50¢

CENTAUREA

Compositae. Herbaceous annuals and perennials, all of which have value as garden plants, blooming from June till frost. Annuals are hardy; space 12 in. apart; (C-2). (sen-tau-REE-uh).



BACHELOR BUTTONS: Cornflower; Blue Bottle. HA; 2 1/2 ft; fine cut flowers; C-2.

—Black Boy. CENT-1K. 20¢

Blackish maroon double flowers.

—Blue Boy. CENT-1B. 20¢

Pretty sky-blue color; double.

—Emperor William. CENT-1E. 20¢

A lovely clear light blue; one of the best.

Single flowers.

—Maroon. CENT-1M. 20¢

Large double maroon flowers.

—Mauve. CENT-1V. 20¢

—Pinkie. CENT-1P. 20¢

Deep pink; excellent pink strain.

—Red Boy. CENT-1R. 20¢

—Rose. CENT-1Z. 20¢

Single flowers.

—Snowman. CENT-1W. 20¢

The best double white variety.

—Blend of Above Varieties. CENT-1X. 15¢

Any above: Oz. 50¢.

C. CYANUS NANA: Same as above but

in low bushy plants excellent for pots or bedding.

—Azure Fairy. CENT-2Z. 25¢

Light blue; double; 12 inches.

- Jubilee Gem.** **CENT-2J.** 25¢
Dark blue on extra nice 12" plants.
- Polar Gem.** **CENT-2P.** 25¢
A pure white variety of above.
- Lady Lilac.** **CENT-2L.** 25¢
Lilac or lavender color.
- Purple Prince.** **CENT-2R.** 25¢
- Blend of Above.** **CENT-2X.** 20¢

C. IMPERIALIS. Giant Sweet Sultan. A hybrid between *C. moschata* and the white variety. 4 ft; flowers soft thistle-like heads; nice border plants or cutting; HA; C-1.

- graxiora.** **CENT-28G.** 25¢
Lilac flowers.
- Rose.** **CENT-28Z.** 25¢
- splendens.** **CENT-28S.** 25¢
- White.** **CENT-28W.** 25¢
- Blend of Above Varieties.** **CENT-28X.** 15¢
Any above: ½ Oz. 60¢.

C. MOSCHATA: Sweet Sultan. Fragrant white, yellow or purple solitary flowers, 2" across, beautifully soft and fluffy; fine for both border or cutting; HA; spac 12"; C-1.

- The Bride.** **CENT-45D.** 25¢
Pure white; 2 ft.
- suaveolens.** **CENT-45S.** 25¢
The yellow Sweet Sultan; 2½ ft.
- Blue.** **CENT-45B.** 25¢
- Pink.** **CENT-45P.** 25¢
- White.** **CENT-45W.** 25¢
- Blend of Above.** **CENT-45X.** 15¢
Any of above: ½ Oz. 60¢.

OTHER CENTAUREA SPECIES:

- americana.** Lilac. **CENT-7L.** 25¢
Basket-Flower. Thistle-like fls; 4-5" ac; HA; 2-4 ft; July-Sept; space 18"; C-8.
- White.** **CENT-7W.** 25¢
- candidissima:** see *C. Cineraria*. For Dusty Miller see *Senecio leucostachys*.
- Cineraria.** **CENT-14.** 25¢
Dusty Miller. Golden yellow or purple fls; 1 ft; HP; July-Sept; treat as HHA; slow grower; start early; silvery white fol; space 9"; C-8. ¼ Oz. \$1.00.
- dealbata.** Rose Delight. **CENT-20Z.** 25¢
Mauve-pink variety; very nice; 2½ ft; HP; C-23. ½ Oz. 50¢.
- depressa.** **CENT-21.** 25¢
Prostrate; blue heads, 1½" ac; lvs silvery; HP.
- Jacea.** **CENT-32.** 35¢
Pink-maroon Cornflower; 1½" ac; 2 ft; HP.
- Fritschii.** **CENT-24.** 25¢
Rose heads, ½" ac; 6 ft; HP.
- gymnocarpa.** **CENT-30.** 25¢
Dusty Miller. Lvs densely white, woolly; 24": HHA; Start in March; June-Sept; fern-leaf; space 12"; striking bedder.
- macrocephala.** **CENT-38.** 25¢
Enormous double golden fls; 3-4 ft; July-August; HP. ½ Oz. 60¢.
- montana.** **CENT-44.** 25¢
Mountain Bluet. Brilliant blue fls, 2" ac; June-Sept; 2½ ft; HP; C-23. ½ Oz. 50¢.
- ruthenica.** **CENT-62.** 25¢
Pale yellow heads, 2" ac; border; 3 ft; HP; C-23 or 24; FG.
- Hardy Centaurea Blend.** **CENT-X.** 20¢
Blend of the above species only.

CENTAURIUM. (sen-TAW-ree-um).

Gentianaceae. (*Erythraea*). Grown in the border or RG; not hardy in the N and require protection from sun and frost.

- Massonii.** **CENA-4.** 40¢
A wee cousin of the Gentian; neat ½" tufts; pink fls; HHA.
- scilloides.** **CENA-6.** 50¢

CENTRANTHUS. (sen-TRAN-thus).

Valerianaceae. Annuals and perennials do-

ing well from seed in the open border; have dense terminal clusters; June-July; space 12".

macrocephalon. **CENS-2.** 25¢
Showy rose and pink fls; 2 ft; HA; June-July; space 12".

—**ruber.** **CENS-4.** 25¢
Red Valeriana, Jupiter's Beard. Fragrant crimson fls; 3 ft; HP; C-23; LK.

CENTROPOGON. (sen-TROP-oh-gon).

Lobeliaceae. Tropical Am. shrubby plants of a somewhat climbing habit and grown in a warm greenhouse; make excellent basket plants.

—**pittacimorphus.** **CROP-2.** 25¢
TP species collected in Columbia.

CEPHALANTHUS. (sef-al-LAN-thus)

Rubiaceae. Button-Bush. Small trees and shrubs with showy flower heads; easily grown in moist soils

—**occidentalis.** **CEPA-1.** 50¢
Creamy fls in long spiked heads; July-Sept.

CEPHALARIA. (se-fah-LAY-ri-ah).

Dipsacaceae. Annuals and perennials with Scabiosa-like flowers; useful as border plants and for cutting. Colors creamy white and various yellow shades; June-Aug; ordinary soil.

—**lataria.** **CEPH-12.** 25¢
Tall robust habit; sulphur-yellow fls; 3 ft; HP.

CERASTIUM.

(se-RAS-ti-um)

Caryophyllaceae. Mouse-Ear. Excellent RG or edging plants; easily grown in ordinary soil. Usually mat-forming; lvs silvery and showy star-like flowers in May and June.

—**alpinum.** **CERS-1.** 25¢
White fls in summer; 6 inches; RG; HP.

—**lanatum.** **CERS-1L.** 30¢
Fine cushion RG pl; silvery lvs; white flowers; HP.

—**Biebersteinii** **CERS-4.** 30¢
Creeping; 6"; white; May-June; HP; C-23.

½ Oz. 40¢.

—**candidissimum.** **CERS-9.** 50¢
—**carinthiacum.** **CERS-10.** 50¢

—**diurnum.** **CERS-12.** 30¢

Day-Jassamine; shrub to 15 ft; (VII).

—**glomeratum.** **CERS-14.** 50¢

—**holosteoides.** **CEHS-16.** 50¢

—**lanatum.** **CERS-18.** 30¢

—**lanigerum.** (Clem) **CERS-19.** 30¢

—**moesiaceum.** (Frity) **CERS-22.** 30¢

—**tomentosum.** **CERS-26.** 25¢

Snow-in-Summer. Creeper; silvery fol; white fls; RG; HP; this may be weedy in the South; C-23. ½ Oz. 40¢.

—**uniformum.** **CERS-28.** 30¢
White fls ½" ac; in cymes; 3 inches; HP.

CERATOSTIGMA. (ser-ah-toh-STIG-ma).

Plumbaginaceae. Nice border plants and shrubs blooming late into the fall; half hardy perennials with shining leaves; flowers saucer-shaped, blue and rose.

—**Griffithii.** **CERA-1.** 30¢

Low shrubs; blue fls; India; hot dry locations; 3-4 ft; HHP.

—**Willmottianum.** **CERA-3.** 25¢

Bright blue fls with rosy tube; July-Nov; 5 ft; HHS.

It requires 6 month's time to catalog a species or variety of seed; this must be done, usually before the seed is in stock which explains why some items are short.

CERATONIA.

Leguminosae. Ev. tr to 50 ft; fruits edible.

—**Siliqua.**

Carob. St. John's-Bread. Stands few degrees frost; grow as orange trees; (X). Oz. 50¢; lb. \$2.00.

CERCIDIPHYLLUM.

Katsur-tree. One deciduous tr to 100 ft; Japan.

—**japonicum.**

Flowers before the lvs. CERM-1. 50¢ Oz. 75¢; lb. \$8.00.

CERCIS.

(SER-siss)

Leguminosae. Judas-Tree. Small trees and shrubs, noted for their early spring flowers which appear before the leaves; thrive in a fertile sandy loam; sow seeds in spring over heat; form better germination try filing a notch in the seed coat.

—**canadensis.**

Pretty tree to 40 ft; rosy pink fls before leaves in spring; (IV); Lb. \$10.00.

—**chinensis.**

Tree to 50 ft; purplish pink fls; China. Lb. \$3.75.

—**occidentalis.**

Shrub to 15 ft; Calif. Oz. 75¢; lb. \$4.00.

CERCOCARPUS.

(ser-koh-KARP-us)

Mountain-Mahogany. Rosaceae. Trs of W. N. Am; can be planted as shrubby; does well in dry soils.

—**ledifolius.**

40 ft; Wash. c.s. Oz. \$3.00.

CESTRUM.

(SES-trum)

Solanaceae. Warm regions; trs and shs; popular GH plants; flowering Jan-Apr.

—**auranticum.**

Semi-climbing sh; orange-yellow fls in terminal panicles; Guatemala. CIST-1.40¢

CHAENACTIS. (kee-NAK-tis).

Compositae. Shrubs and trees from tropical regions and grown in the GH in the N. They make attractive winter plants with their bright flowers.

—**Douglasii.**

Bride's Bouquet. White fls! 1-2 ft; June-July; HB. CHAE-1. 25¢

CHAENOMELES.

(kee-NOM-el-ezz)

Rosaceae. Flowering Quince. Very pretty early flowering shrubs most of which are hardy in zone IV; stratify seeds and sow in the spring.

—**Burkeana.**

Small sh; 5 ft; very good; small white fls; S. Af; (IX). CHNO-2. 30¢

—**japonica.**

Dwarf Jap. Q. 3 ft; orange-scarlet fls. CHNO-1. 30¢

—**lagenaria.**

Jap. Q. 10 ft; scarlet-red fls; China. CHNO-2X. 30¢

CHAENOSTOMA.

(kee-NOSS-tom-uh)

Scrophulariaceae. S. Af; tubular white, yellow or reddish fls followed by showy fruits; makes nice pot plants in GH; IX.

—**Burkeana.**

CHAT-1. 35¢

CHAENORRHINUM.

Scrophulariaceae. Genus of annuals and perennials, formerly in Linaria; native of the Medit. regions.

—**origanifolium.**

Pale purple to white fls with yellow palate; similar to Snapdragons; 10"; HP. CHAR-3. 30¢

25¢ for sample Saier's Garden Magazine.

CHAMAECYPARIS. (kam-ee-SIP-ar-iss)

Cupressaceae. False-Cypress. Large evergreen trees grown for orsament, nearly all of which are hardy in the N; grow same as Confers; best sown in spring.

—**obtusata aurea.**

Golden yellow leaves whei young. CHAM-5A. 25¢ Oz. 80¢

—**pisifera.**

Sawara C. Japan; hardy up to (IV); several varieties. CHAM-6. 40¢ Oz. 60¢; lb. \$5.00.

—**allumii.**

This and all the following varieties: Oz. 50¢; lb. \$3.75. CHAM-2A. 30¢

—**argentea.**

CHAM-2R. 30¢

—**aurea.**

CHAM-2U. 30¢

—**variegata.**

CHAM-2UV. 30¢

—**erecta.**

CHAM-2E. 30¢

—**glauca pendula.**

CHAM-2GP. 30¢

—**pyramidalis.**

CHAM-2T. 30¢

—**Triomphe de Boskoop.**

CHAM-2P. 30¢

—**nootkaensis.**

CHAM-4. 30¢

Oz. 50¢; lb. \$5.00.

—**obtusata.**

CHAM-5. 30¢

This and all varieties, except as noted: Oz. 50¢; lb. \$5.50.

—**aurea.**

CHAM-5A. 30¢

—**lycopodioides.**

CHAM-5L. 30¢

—**crispa.**

CHAM-5C. 30¢

—**Ketteleri**

CHAM-5K. 30¢

—**pisifera.**

CHAM-6. 30¢

Oz. 50¢; lb. \$5.00.

—**filifera.**

CHAM-6F. 30¢

—**plumosa.**

CHAM-6P. 30¢

Oz. 50¢; lb. \$5.00.

—**squarrosa.**

CHAM-6S. 30¢

Oz. 75¢; lb. \$7.50.

CHAMAEDOREA elegans; see *Collinia el.*

CHAMAELAUCIUM. (kam-ee-LAU-see-um)

Myrtaceae. Australian Heath-like shrubs with fls in terminal racemes; hardy in (X) from Australia; sow in sandy soil in spring or summer in open, with glass a few inches above seed bed; dry heating for 2 hours at 175 deg. F. has also proved effective.

—**uncinatum.**

CHAW-3. 25¢

Lovely fol. and beautiful blooms combining to make this outstanding; want stand wet feet or over manuring; cut back hard after flowering; pink fls; excellent for cut-flowers; (IX).

—**Red.**

CHAW-3R. 30¢

—**Pink.**

CHAW-3P. 30¢

CHARIEIS.

(KAY-rec-is)

Compositae. One S. Af. plant, grown in the border or GH.

—**heterophylla.**

CHAR-1. 40¢

(C. Neesii, Kaulfussia amelloides). Rays blue, disks yellow or blue; 1 ft; HHA.

CHASMANTHE.

Iridaceae. S. Af. natives similar to Antholyza and Gladiolus; grow same as latter.

—**aethiopica.**

CHAS-2. 50¢

(Antholyza aethiopica). Tall Irid; fls stems black-purple; fls orange-red, tubular; cultivate like gladiolus; 2½ ft.

CHELIDONIUM.

(kel-id-DOH-nee-um)

Papaveraceae. Celandine. Grown in wild gardens; used as a garden herb.

—**majus.**

CHEL-1. 30¢

Yellow fls, ½ inch across; 4 ft; HP.

CHAMAELAUCIUM.

Myrtaceae. Aust. Heather-like shrubs; hardy in (IX) zone.

—**uncinatum.**

CHAW-3. 40¢

Flowers in corymbs.

CHEIRANTHUS

Cruciferae. Perennials many of which rank amongst the showiest flowers. The Wall-flowers belong to this genus, under *C. Cheiri*. There are some interesting possibilities in this genus as it hybridizes with *Erysimum*. The Siberian Wallflower comes under the latter genus now. Treat as HA in the North. (kye-RANTH-us)

CHEIRI: Wallflower. Sow seed as early in the spring as possible that a strong, robust plant will be grown as success in growing them depends much on a strong plant; weakly grown plants are sure to die. They are cool weather plants; treat as biennials; C-15.

- Cloth of Gold.** **CHER-1C.** 20¢
Rich yellow; lge fl; 18"; popular.
- Covent Garden.** **CHER-1CG.** 20¢
Blood-red flowers; popular.
- Fireball.** **CHER-1B.** 20¢
New Swiss variety; fiery red.
- Fire King.** **CHER-1F.** 20¢
Brilliant Orange.
- Flammenspiel.** **CHRY-1F.** 25¢
A dandy scarlet variety.
- Golden Goliath.** **CHER-1G.** 20¢
Dandy forcing variety; dark maroon.
- Goliath.** **CHER-1L.** 20¢
Very beautiful single in maroon.
- Golden Mascot.** **CHER-1GM.** 20¢
Rich golden flowers.
- Golden Monarch.** **CHER-1D.** 20¢
A rich yellow counterpart of Vulcan; 12".
- Ivory White.** **CHER-1E.** 20¢
Nearest to a pure white; 18".
- Orange Bedder.** **CHER-1N.** 20¢
Rich orange shading to apricot-yellow; 1'.
- Ruby Gem.** **CHER-1R.** 20¢
Very large and fine ruby-violet; 18 in.
- Scarlet Emperor.** **CHER-1M.** 20¢
The best scarlet variety.
- Vulcan Improved.** **CHER-1U.** 20¢
Rich velvety crimson; 1 ft; choice strain.
- Blend of Above.** **CHER-1X.** 20¢
- Dwarf Double Mixed.** **CHER-1DX.** 20¢
- Earliest Paris Mixed.** **CHER-2PX.** 25¢
Treat these as annuals; very early type.
- Golden.** **CHER-2PG.** 25¢
Earliest Paris yellow.
- Early Wonder.** **CHER-2W.** 25¢
- Golden Standard.** **CHER-2GS.** 25¢
An Early Wonder type in yellow.
- Early Wonder Mixed.** **CHER-2WX.** 25¢
- Tall Double Mixed.** **CHER-1TX.** 20¢
Oz. 50¢; lb. \$2.75.
- Berlin Fireball.** **CHER-1BF.** 25¢
- Early Forcing Mixed.** **CHER-2F.** 25¢
Single annuals.

ANNUAL WALLFLOWERS: This strain will flower the first season if started indoors.

—**Golden.** **CHER-2G.** 25¢

CHEIRANTHUS SPECIES:

- alpinus.** **CHER-1.** 40¢
Lemon-yellow fls; Norway; 1 ft; HP.
- kewensis.** **CHER-6.** 30¢
Bushy perennial; fls 1" ac; upright racemes; orange; HHP.
- linifolius:** see *Erysimum linifolium*.

CHENOPODIUM. (kee-noh-POH-dee-um)
Chenopodiaceae. Few species grown as garden herbs or ornamental plants; easy.

- Botrys.** **CHEN-6.** 30¢
Feather Geranium, Jerusalem-Oak. HA; 2 ft.

—**Bonus-Henricus.** **CHEN-10.** 30¢
A most nourishing perennial vegetable that grows in good soil producing a profusion of lvs, which are cooked like Spinach. It self sows; seed is slow to germinate; (Good-King-Henry). Oz. 60¢.

CHERVIL: see *Anthriscus cerefolium*.

CHILOPSIS.

Bignoniaceae. 20 ft. sh or sm tr; dry regions; Texas.

- linearis.** **CHIP-1.** 40¢
Desert or Flowering Willow. Trumpet-shaped fls; lilac.

CHIMAPHILA.

Pipsissewa. Little sub-shrubs with creeping stems; fls in terminal long-stalked umbels, followed by capsular fr; wild garden; partial shade.

- maculata.** **CHIP-2.** 30¢
Spotted Wintergreen. Lvs white-veined; sow in humus, sterilized best.

CHIMONASTHUS. (kye-moh-NANTH-us)
Calycanthaceae. Two shs from China; sow in the spring; (V).

- praecox.** **CHIM-4.** 35¢
(Calycanthus and Meratia) 10 ft fragrant fls, 1" ac, striped brown. Oz. 75¢; lb. \$6.00.
- grandiflorus.** **CHIM-4G.** 40¢
Same but larger in both leaves and flowers. Oz. 70¢; lb \$7.00.

CHIONANTHUS. (kye-oh-NANTH-us)

Fringe-Tree. Oleaceae. Two trs or shs; hardy in N with protection; sow in fall or sp; stratify for spring planting.

- Luciliae.** **CHIN-5.** 35¢
Bright blue fls with white centers; 1" ac; 8".
- virginica.** **CHIN-8.** 30¢
30 ft; May-June; (V).

CHIONODOXA. (kye-oh-noh-DOX-uh)

Glory-of-the-Snow. Lilaceae. Early flowering bulbous plants; sun; byulbs are listed in Fall Bulb List.

- Luciliae v. roseum.** **CHID-5R.** 40¢
Pink fls; 8".

CHIRITA. (kye-RIT-ah).

Gesneriaceae. Tropical succulent-like with showy flowers; treat same as Gesnerias.

- lavandulacea.** **CHIR-3.** 50¢
Attractive greenhouse plant; (X).
- species.** **CHIR-X.** 30¢

CHIRONIA. (ky-RON-ne-ah).

Gentianaceae. African plants with pink and purple flowers in cymes, hardy up into the VI Zone.

- transvalensis.** **CHIO-3.** 40¢
Bright pink fls on slender stems; marshy ground; 2½ ft; TA.

CHORISIA.

Bombacaceae. Native Calif. and Chile; for dry place; (IX).

- speciosa.** **CHOR-8.** 40¢

CHRYSANTHEMUM

Compositae. A large genus of annuals and perennials of which there is a very large number of pretty flowers. They can be divided into 5 or 6 classes as listed below.

C. CARINATUM: Painted Daisy. Very popular hardy annuals; plant 2 ft tall; well branched, flowers 3 inches across and all with a dark eye, surrounded by a narrow yellow ring then a slightly larger scarlet ring followed by a dominant color for the variety; space 12 inches apart; June-Sept; best in sunny locations and excellent for

mass effect or for cutting; C-7.

- atrococcineum.** CHRY-1A. 20¢
The Sultan. Dark purple.
- Burridgeanum.** CHRY-1B. 20¢
Pure white petals zoned brownish red.
- Hybrid, Double Fringed.** CHRY-1H. 20¢
New English strain of double flowers.
- chameleon.** CHRY-1C. 20¢
Golden chamois, scarlet and yellow zone.
- Cockade.** CHRY-1K. 20¢
White and crimson with yellow ring.
- Dunnett's Double Hybrids.** CHRY-1D. 20¢
Double flowered type in various colors.
- Scarlet.** CHRY-1DS. 20¢
- White.** CHRY-1DW. 20¢
- Eclipse.** CHRY-1E. 20¢
Shading light yellow to apricot, garnet band; yellow zone.
- leuteum.** CHRY-1L. 20¢
- Northern Star.** CHRY-1N. 20¢
White with dark eye; popular.
- purpureum.** CHRY-1P. 20¢
- W. E. Gladstone.** CHRY-1G. 20¢
Large purple red flowers.
- White Queen.** CHRY-1Q. 20¢
Pure white with pale yellow zone; 18".
- Single Mixed.** CHRY-1SX. 20¢
- Blend of Varieties.** CHRY-1X. 15¢
Oz. 50¢; lb. \$3.00; any of above.



MIXED ANNUAL CHRYSANTHEMUMS

C. CORONARIUM: Tallest of the hardy annuals and if planted in very rich soil, may need staking. Sow seed as early as possible, usually where plants are to grow, thin to 12 inches apart; plants 2-3 ft; July-Oct; C-7.

- Golden Glory.** CHRY-2G. 25¢
A new English single; deep yellow, central disk same; 3 ft.
- Golden Gem.** CHRY-2M. 25¢
Dwarf double; try in pots; 1 ft; pretty.
- Golden Crown.** CHRY-2C. 25¢
Silvery green fol; butter-yellow fls; 2½ ft. ½ Oz. 40¢.
- Yellowstone.** CHRY-2YS. 20¢
Double flowers; golden yellow.
- Double Yellow.** CHRY-2Y. 25¢
- White.** CHRY-2W. 25¢
- Sulphur-Yellow.** CHRY-2S. 20¢
- Above Varieties Mixed.** CHRY-2X. 20¢
- Above Varieties Mixed.** CHRY-2K. 20¢
Any of above varieties, except as noted.
Oz. 40¢; lb. \$2.00.

C. SEGATUM: Plant habit similar to *C. carinatum*; 2 ft tall; flowers are 3" across with dark or light eye surrounded by an inconspicuous pale yellow disk, then the dominant color for the variety; all HA; best to sow seeds direct to garden and as early as possible in the spring; thin to 12 inches C-7.

- Eastern Star.** CHRY-3S. 20¢
Primrose-yellow with a chestnut center; 1 ft. ½ Oz. 40¢.

- Eldorado.** CHRY-3E. 20¢
Deep yellow with black center; pretty.
- Golden Glow.** CHRY-3L. 20¢
A new double golden yellow. Oz. \$1.50.
- Gloria.** CHRY-3G. 20¢
Double yellow flowers.
- Helios.** CHRY-3H. 20¢
Evening Star. Deep golden yellow.
- Morning Star.** CHRY-3M. 20¢
Large yellow with black center; 1½ ft.
- Yellowstone.** CHRY-3Y. 20¢
A beautiful new double yellow; Oz. \$1.50.
- Zebra.** CHRY-3Z. 20¢
Flowers striped and blotched yellow and brown. Oz. 80¢.
- Blend of Above Varieties.** CHRY-3X. 20¢
Any above except as noted: Oz 50¢.

C. INDICUM: Perennials; 2-3 ft. tall with soft foliage and much branched; they are very showy in masses, blooming in five months from seed. Flowers are in heads, very numerous and ½-1 inch across; plant either early or in mid-summer for the following summer; C-22.

- Double Special Blend.** CHRY-4DX. 25¢
¼ Oz. \$1.25.
- Saier's Early Strain.** CHRY-4SX. 25¢
A very choice single strain in bright colors. ¼ Oz. \$1.00.

C. COCCINEUM: Pyrethrum. Fine cut-flowers, especially liked by the florists; flowers are daisy-like. If kept cut will flower into the autumn; flowers 2nd year from seed; space 12 inches HP.

- aureum, Gold Feather.** CHRY-5AF. 25¢
- Golden Moss.** CHRY-5AM. 25¢
Very dwarf
- Dark Carmine.** CHRY-5BC. 25¢
- Golden Gem.** CHRY-5AG. 25¢
- Giant White.** CHRY-5W. 25¢
- Rose.** CHRY-5Z. 25¢
- Pink.** CHRY-5P. 25¢

All the above are Pyrethrums; C-8.

- Langport Scarlet.** CHRY-5L. 25¢
- roseum.** CHRY-5R. 25¢
Single and doubles; extra fine strain.
- ROBINSON'S GIANTS.** CHRY-5B. 30¢
An extra large strain for cut-flowers.
Oz. \$3.00; lb. \$26.00.
- Market Strain.** CHRY-5M. 25¢
Double strain for commercial growing.
- selaginoides.** CHRY-5GS. 25¢
Fern-like golden yellow leaves.
- Prize Doubles.** CHRY-5DX. 25¢
- Single Blend.** CHRY-5SX. 25¢

C. MAXIMUM: Shasta Daisy. Has larger flowers than *C. Leucanthemum*. In the newer varieties, the flowers are as large as 4 inches across, some double and fringed. They make the best of cut-flowers and where choice flowers are wanted, the flowering stems should be thinned. Rich soil and full sun; HP; C-23.

SAIER'S EARLY CHRY-6S. 30¢

An extremely early Shasta Daisy of very nice form and on long stiff stems; it is especially good for early Shastas for the spring cut-flower market. Oz. 75¢; lb. \$7.00.....

- Alaska.** CHRY-6A. 20¢
- Chigwell Giant.** CHRY-6C. 25¢
Giant pure white; fine form.
- Conqueror.** CHRY-6Q. 20¢
Stems 2½ ft long; large pure white.
- Diener's Double White.** CHRY-6DW. 25¢
½ Oz. \$1.00.
- Exhibition.** CHRY-6E. 25¢
- Fringed Beauty.** CHRY-6F. 25¢
Fringed and curled petals.

- May Queen.** **CHRP-6M.** 25¢
Medium sized, good for massing in the garden or border.
- Moni Blanc.** **CHRY-6MB.** 20¢
Extremely large white flowers.
- Polar Sea.** **CHRY-6P.** 20¢
- The Speaker.** **CHRY-6T.** 20¢
- White Dame.** **CHRY-6W.** 20¢
- Shasta Blend.** **CHRY-6X.** 20¢
Any above, except as noted: Oz. 80¢.

C. INODORUM: see *Matricaria inodora*.

OTHER CHRYSANTHEMUM SPECIES:

The perennial Chrysanthemums are short day bloomers; they seem to be more affected by length of night, too short a night prevents plants from blooming. Lights will affect the flowering if used at mid-night for an hour.

- arcticum.** **CHRY-4.** 40¢
Aster-like fls; white to lilac; Arctic regions; 6 inches; HP.
- cinerariaefolium.** **CHRY-14.** 25¢
Dalmatian Chrysanthemum; 2 ft; HP.
- corymbosum.** **CHRY-19.** 25¢
(Pyrethrum) White fls; border; 2-4 ft; HP.
- densum.** **CHRY-20.** 50¢
- Korean Hybrids.** **CHRY-22K.** 25¢
Saved from the best varieties; C-9.
- Arctic Hybrids.** **CHRY-22A.** 25¢
Arctic Daisies. Single; very hardy; HP.
- japonicola "Cascade".** **CHRY-27C.** 40¢
A lovely variety of hanging Japanese C; they are very nice; C-22.
- macrophyllum.** **CHRY-28.** 30¢
Tansy C. Small white or yellow rays; 2½ ft; HP.
- Mawii.** **CHRY-29.** 30¢
White ray fls, rose on back; 1 ft; for a sheltered sunny place; HHP; C-23.
- Nivellei.** **CHRY-35.** 30¢
Erect HA; 1 ft; rays white; free flowering; golden yellow; long stems; July-Sept; space 12". single. Oz. 50¢.
- Parthenium.** **CHRY-37.** 25¢
Feverfew. Perennial; fl-heads in open clusters. They are used in the border and are nice for cutting; C-8; LW.
- aureum.** **CHRY-37A.** 25¢
- crisum.** **CHRY-37C.** 25¢
Gilden Moss. Very dwarf with curled Parslev-like foliage.
- se'aginoides.** **CHRY-37S.** 30¢
Finely cut golden foliage.
- alba plevisima.** **CHRY-37A.** 25¢
Single fls; excellent. ½ Oz. 60¢.
- Double White.** **CHRY-37D.** 30¢
Very popular for cut flowers. Oz. \$2.00.

CHRYSOPSIS.

(kris-OP-sis)

Compositae. Golden Aster. Daisy-like yellow heads of ray or disk flowers on 1-3 foot plants, thriving in a dry sunny part of the border; HP.

- amplifolia.** **CHSO-1.** 50¢
Grows to 20 inches; Colo; HP.
- maiana.** **CHSO-8.** 30¢
Golden Aster. Flower heads 1" ac in paniced corymb; 2 ft; (IV); HP.
- villosa.** **CHSO-10.** 25¢
Golden Aster. Heads 2 inches ac; golden yellow; 1 ft; HP.

CEIBA.

- pentandra.** **CEIB-2.** 40¢
Silk Cotton Tree. Showy fls; good shade tree; (X).

CHRYSOTHAMNUS.

(chiss-oh-THAM-nus)
Compositae. Low shrubs of W. N. Am. growing in dry locations; flowers in heads of yellow disk.

- gravelens.** **CHRH-1.** 35¢
Grayish bush; short spikes; 5 ft; HSh (II).

CIBOTIUM: see Fern List.

CINCHONA.

Rubiaceae. Peruvian Bark Tree. Sh and trs of the Andes; quinine tree can be grown in the GH; IX.

- succirubra.** **CIN-13.** 40¢
Tall tr; rose fls; Equador.

CINERARIA.

(sin-ee-RARE-ee-ah)
Compositae. Botanically *Senecio Cruentus*. Listed here are only the greenhouse type grown as pot plants. Sow from April to September, May and June being the main months; (C-8).

- Cremer's Prize Strain.** **CIN-1.** 50¢
Plants 20 inches tall; large flowers; this is a choice strain for pot plants.
- multiflora nana.** **CIN-2.** 50¢
Dwarf compact plants; large flowers; an excellent range of colors.
- Berlin Market.** **CIN-2B.** 50¢
Plants 15 inches tall; brilliant strain; in large flowers.
- Siter's Rainbow Strain.** **CIN-4.** 50¢
Compact plants; brilliant color range in large flowers.
- Prize Exhibition.** **CIN-5.** 50¢
Extra good Holland strain; large flowers.
- Blend.** **CIN-X.** 50¢
A blend of the above strains
Any above varieties: ½ Oz. 40¢.

CINNAMOMUM.

- Camphora.** **CINN-2.** 40¢
- glanduliferum.** **CINN-8.** 30¢

CIRSium.

(SUR-si-um).
Compositae. Plumed Thistle. Rank growing prickly plants with purple, yellow and white flowers in heads; easily grown; for bold effect in the wild garden.

- asutrinum.** **CIRS-1.** 25¢
Blue Sailor. Oz. 50¢; lb. \$5.00.
- occidentale.** **CIRS-13.** 30¢
Silvery fol; scarlet fls, pretty; 2 ft; HB.
- candidissima.** **CIRS-13C.** 30¢
White tomentosa foliage; 2-4 ft; HB.

CISTUS.

(SISS-tus).
Cistaceae. Rock Rose. Not hardy in the far N; best in full sun, dry light soil with lime present; the flowers are much like miniature Roses; can be started in pots, do not prune much; best sown in the spring.

- ladaniferus.** **CIST-10.** 30¢
Gum C. Pretty shrub with white flowers spotted purple; 3 ft; HSh.
- purpurea.** **CIST-17.** 30¢
Purple fls, yellow at base, 3" ac; hybrid; (VIII).

CLADANTHUS.

(klad-ANTH-us)

Yellow-Wood. Leguminosae. Trs native of N. Am. and E. Asia; fls in paniced racemes; ornamental; plant seed in spring, best.

- arabicus.** **CLAA-2.** 25¢
Palm Spring Daisy. Golden yellow daisy like fls; easy; very floriferous; dry places; 2 ft; HA.
- lutea.** **CLAD-2.** 30¢
Fragrant fls, 1" long; June; (IV); plant in the spring; (Virgelia lutea).

CLARKIA.

(KLARK-ee-ah).
Onagraceae. Annuals easily grown in a sunny place, light soil. They make pretty border plants, 2-3 ft. high, in upright bush form, blooming in July-August; space 1 ft;

apart; HA. ,

These are one of the best annual flowers. It is very easily grown, germinates quickly and does well in most all types of soil. The color range is very large; both species can be planted in the fall in the South.

ELEGANS: This is the best species and contains the best colors; grow the doubles; give a rich soil and some support and they will produce wonders. These are also excellent for the cool greenhouse.

- Brilliant.** **CLAR-1B. 20¢**
Double; brilliant orange.
- Enchantress.** **CLAR-1E. 20¢**
Double; salmon-pink; large and pretty.
- Firebrand.** **CLAR-1F. 20¢**
Brilliant copper-scarlet.
- Gloriosa.** **CLAR-1G. 20¢**
Distinct break in color; bright crimson.
- May Blossom.** **CLAR-1M. 20¢**
Pure glowing orange; double.
- Illumination.** **CLAR-1L. 20¢**
Orange mingled with rose; outstanding.
- Orange King.** **CLAR-1K. 20¢**
Bright orange-scarlet; best orange.
- Purple Prince.** **CLAR-1P. 20¢**
Very double in rich purple.
- Salmon Queen.** **CLAR-1S. 20¢**
Best double salmon-rose.
- Vesuvius.** **CLAR-1V. 20¢**
Glowing orange-scarlet; 2 ft.
- White Prince.** **CLAR-1W. 20¢**
Best double pure white.
- Novelty Blend.** **CLAR-1X. 20¢**
½ Oz. 40¢.

C. PULCELLA: Grows 18 inches high and comes in many different colors; fine for the border; HA; July-Sept; C-2.

- White Beauty.** **CLAR-4W. 25¢**
NEW. Charmingly frilled double fls carried in clusters at top of plant; excellent for both border or potting; 2 ft; HA.
- Single Mixed.** **CLAR-4SX. 20¢**
- Double Mixed.** **CLAR-4DX. 20¢**
- Double and Single Mixed.** **CLAR-4X. 20¢**

CLARY: see *Salvia Horminum*.

CLEMATIS

Ranunculaceae. Virgin's Bower. Woody climbing plants thriving in a rich loamy soil on the alkaline side; mulch soil at base of the plants.

- a'pina.** **CLEM-5. 30¢**
Blue-violet fls, ½" long; climber to 6 ft. seed sown in Oct. will germinate following spring.
- Buchananiana.** **CLEM-19. 40¢**
Climbing; fls 3" ac in panicles; Himalayas
- chrysocoma v. serica.** **CLEM-24S. 50¢**
(C. Spooneri) 20 ft climber; white or pink flowers 3½ inches across.
- Columbianum.** **CLEM-27. 30¢**
Blue or purple flowers; 10 ft; June.
- crispa.** **CLEM-29. 25¢**
Bluish purple, nodding; fragrant; June-Sept; 10 ft; Texas.
- diacoreifolia v. robusta.** **CLEM-33R. 50¢**
(paniculata) Oz. 90¢. (name recently changed).
- Douglasii.** **CLEM-34. 50¢**
(C. hirsutissima) Erect; 2 ft; flowers tubular, purple inside.
- foetida.** **CLEM-45. 40¢**
Climbing; yellowish fragrant fls, ¾" ac; N. Z.
- indivisa.** **CLEM-63. 40¢**
Climbing N. Z. Clematis. White fls, 4" ac in spring; should be grown indoors in N.
- koreana.** **CLEM-70. 50¢**
Prostrate climber; yellow or violet fls.
- lathyrifolia.** **CLEM-77. 30¢**
- ligusticifolia.** **CLEM-80. 30¢**

Vigorous climber; inch wide panicles of white flowers.

- macropetalata.** **CLEM-81. 50¢**
- montana.** **CLEM-86. 30¢**
25 ft. climber; white fls turning pink, yellow stamens; fragrant.
- paniculata:** see *C. diacoreifolia v. robusta.*
- Pitcheri.** **CLEM-92. 30¢**
Urn-shape flowers; purple; 1 inch long.
- pubescens.** **CLEM-95. 35¢**
W. Australian species; moisture loving; cream fls; similar to *C. aristata*.
- recta.** **CLEM-98. 30¢**
An erect plant to 5 ft; white flowers, 1 inch across; fragrant. Oz. 50¢; lb. \$3.00.
- mandschuria.** **CLEM-98M. 50¢**
Erect; 5 ft; white flowers 1 inch across; panicles are longer in the variety.
- reticulata.** **CLEM-102. 40¢**
(Viorna r.) Cl. to 10 ft; fls urn-shaped, yellowish, pale violet inside; July; (V). ¼ Oz. \$1.00.
- Scottii.** **CLEM-103. 30¢**
Erect; urn-shaped purplish brown flowers; May-June; Wyoming.
- serratifolia.** **CLEM-104. 30¢**
Climber to 10 ft; yellow flowers with purple stamens; Aug-Sept; Korea.
- Spooneri:** see *C. chrysocoma v. serica.*
- Thunbergii.** **CLEM-112. 30¢**
Climber; flowers 2 inches ac; panicles; Rhodesia.
- Vitalba.** **CLEM-122. 35¢**
Traveler's Joy. Cl to 30 ft; greenish white fls; July-Sept....Oz. 40¢; lb. 1.50.
- N. Z. Native.** **CLEM-NZ. 40¢**
Creepers, with small cream fls followed by very attractive seed heads; fine on fences as shelter.
- virginiana.** **CLEM-121. 40¢**
Cl. to 20 ft; fls white, 1" ac; Aug-Sept; N. Amer; (IV)
- Viticella.** **CLEM-123. 50¢**
Climber to 12 ft; blue flowers with yellow stamens; fls 2" ac. Oz. 50¢; lb. \$1.50.
- Clematis Mixture.** **CLEM-X. 25¢**

CLEMATOPSIS. (klem-ah-TOP-siss).

Seeds offered come for South Rhodesia; the plants drought-resistant; full sun.

- Stanleyii.** **CLTP-1. 40¢**
Shock-Headed-Peter. Drooping white anemone-like flowers; 4-5 ft.

CLEOME. (klee-OH-mee).

Capparidaceae. Spike Flower. Easily grown from seed in May; germinates quickly; thin plants to 18-24 inches. They are 4-5 ft. high and make showy plants in the border, flowering from June till frost; HHA; (C-7).

C. SPINOSA: (C. gigantea and pungens) Spider Flower. HHA; July-Sept; 3-4 ft; space 18" apart; C-7.

- Helen Campbell.** **CLIO-5H. 20¢**
Pure white variety. ½ Oz. 50¢.
- lutea.** **CLEO-3. 25¢**
Golden yellow species; 3 ft; Colo.
- Pink Queen.** **CLEO-5P. 20¢**
Clear soft pink turning to apple-blossom.
- Mrs. Colen Campbell.** **CLEO-5C. 25¢**
A NEW pure white just introduced; fine.
- Rose Queen.** **CLEO-5Z. 20¢**
A pure rose. ½ Oz. 50¢.
- Mixed.** **CLEO-X. 20¢**

CLERODENDRUM. (klee-row-DEND-rum).

Verbenaceae. Glory Bower. Trs, shs and plants with flowers in terminal cymes or panicles; GH or out doors in S; showy.

- Colebrookianum.** **CLER-2. 40¢**
Sh 8 ft; rose-purple to white; India; (X).
- japonicum.** **CLER-9. 40¢**

(*C. squamatum*). Sh to 10 ft; bright scarlet fls in panicles; China.

—**myrocoides**. **CLER-12. 40¢**
Butter-fly Bush. Lovely blue fls; sun; E. Af: (X).

—**speciosissimum**. **CLER-16. 40¢**
(*C. fallax*) Sh to 4 ft; bright scarlet fls; 2" ac; Java; (X).

—**trichotomum**. **CLER-17. 50¢**
Sh to 10 ft; white fls in panicles; hardy N; Japan. **Oz. 60¢; lb. \$3.75.**

CLETHRA. (KLETH-ruh)

White Alder. Clethraceae. Shrubs and small trees; start seeds indoors in the spring; most are hardy in the IV zone.

—**alnifolia**. **CLET-3. 30¢**
Sweet Pepper Bush; Summer Sweet. 10 ft; Me-Fla; fls in racemes; (IV).

—**barbinervis**. **CLET-5. 50¢**
To 30 ft; fragrant fls in panicle racemes. **Oz. 90¢; lb. \$5.00.**

CLIANTHUS. (kly-ANTH-us)

Leguminosae. Leguminous shrubs and very striking when in flower; fairly hardy and will stand down to 20 deg. F. if not for too long; shade at roots recommended.

—**Damperi**. **CLIA-1. 35¢**
Glory-Pea. Scarlet fls with large purple black blotch at base of standards; Aust.

—**Dampieri**. **CLIA-1. 40¢**
Xlory Pea; Desert Pea. Scarlet fls with large purplish black blotch at base; Aust.

—**punicus**. **CLIA-3. 30¢**
Parros's-Beak. Crimson fls, 3" long; 6 ft; N. Z.; fls bright scarlet, 3" long in pendulous racemes; a good shrub.

—**alba**. **CLIA-3A. 35¢**
White flowered variety.

CLINTONIA. (klin-TOH-nee-uh)

Liliaceae. Attractive plants spreading by underground rhizomes but not invasive; shade; moist woody places; showy in colonies.

—**borealis**. **CLIN-2. 50¢**
Greenish yellow nodding fls; 1½ ft; blue branches; Calif.

CLITORIA. (kly-TOR-ee-ah)

Leguminosae. Butterfly Pea. Twining vines hardy into the VIII Zone.

—**ternatea**. **CLIT-4. 35¢**
Twiner; double blue fls; showy; (VIII)

CNEORIDIUM.

Rutaceae. Evergreen shrubs native to S. alifornia.

—**dumosum**. **CNEO-1. 25¢**
White fls followed by brown fr; 2-4 sh; S. Calif.

CNIDOSCOLUS.

Tread-Softly. Euphorbiaceae. Perennial Amer. plants; few of ornamental value, especially in wild garden; others medicinal herbs.

—**texanus** **CNID-5. 25¢**
Bull Nettle. Texas; 2 ft; perennial.

COBAEA. (koh BEE ah)

Polemoniaceae. Climbing shs; bell-shaped violet fls; popular GH vine in N; X.

—**scandens**. **COBA-2. 30¢**
Climber to 25 ft; violet or greenish purple fls 2" long; Mexico. **Oz. \$1.50.**

—**alba**. **COBA-2A. 30¢**
Oz. \$2.40.

Please do not order by the common name!

COCOLOBIS.

(kok-KOL-oh-biss)

Snail Seed. Menispermaceae. Easily grown in moist soils; fls small and showy.

—**carolinus**. **COEB-2. 25¢**
Carolina Moonseed. Twining red fruits; (IV); HP. **Oz. 80¢.**

—**uvifera**. **COCL-6. 40¢**

COCHLEARIA.

Crucifera. Scurvey Grass. Grown as a salad plant; grow as HA; ready in 60-80 days; cool partly shaded places.

—**officinalis**. **COCR-1. 25¢**
Used as salad for its medicinal properties; HP grown as an HA.

COCKLOSPERUM.

Cocklospermaceae. Trop. trs and shs; fls in panicles or racemes; X.

—**gossypinum**. **COCH-4. 50¢**

COCOS.

(KOH-koss)

Palmaceae. Coconut.

—**campestris**. **COCO-1. 50¢**

—**Yatay**: see *Butia Yatay*.

—**plumosa**: see *Arcestrum Romanzoffianum*.

CODONOPSIS. (koh-doh-NOP-siss).

Campanulaceae. Perennials with shades of blue and yellow flowers with darker veins and blotches; a few are climbers; they require winter protection in the N, but are not real hardy. Sow seeds in Feb. or March at 50 deg. F.; leaf mold gives good results.

—**assuriensis**. **COD-1. 30¢**

—**clematidea**. **COD-2. 25¢**

Bell-shaped fls with white or yellow centers; 1 ft; HP.

—**ovata**. **COD-4. 40¢**
Semi climber; soft blue bells; June; cool soil; sun.

—**viridiflora**. **COD-10. 25¢**

Climber; yellowish green fls with purple dot at base.

COELOGYNE.

(see-LOJ-in-ee)

Orchidaceae. Tropical epiphytic orchids with long racemes of white or greenish yellow flowers.

—**barbata**. **COEL-2. 50¢**

White with brown lip, fringed with brown; Oct-Feb.

—**cristata**. **COEL-7. \$1.00**

Showy white, drooping racemes; Feb-April; (X).

COFFEA.

Rubiaceae. Grown in the U. S. in zone (XI) and as a pot plant indoors.

—**arabica**. **COFF-1. 30¢**

The common Coffee. Sh to 15 ft.

—**robusta**. **COFF-8. 35¢**

COIX.

(KOH-ix)

Gramineae. Grasses with broad leaves and bead-like seeds; space 12" apart; can be started indoors in March.

—**Lacryma-Jobi**. **COIX-1. 25¢**

Job's Tears. A TP but best grown in the N as an annual; 12"; germination period variable, plant first of May in (V) zone. **Oz. 50¢; lb \$3.75.**

COLCHICUM.

(KOL-chik-um)

—**giganteum**. **COLC-8. 40¢**

Planted in RG or grass; HHHb; 12"; pink flowers; for bulbs see Bulb List.

Many New Zealand and Australian native seeds have been added in this issue.



COLEUS

Labiatae. Showy plants with brilliantly colored leaves; sow seed in pans and keep warm. (C-22).

- Brocade Strain.** **COLE-1.** 30¢
A large leaf strain in rich velvety colors.
- Fringed Leaf Mixed.** **COLE-2.** 30¢
- carnosus.** **COLE-26.** 40¢
So. Af species; mauve fls; 15 inches.
- Glory of Vichy.** **COLE-4.** 30¢
- metallicus.** **COLE-5.** 30¢
Metallic shining; light red to dark brown-red; fine.
- Pride of Monferland.** **COLE-6.** 30¢
A new strain for the GH; bright colors.
- Pyrenean Giants.** **COLE-7.** 30¢
Large robust plants excellent bedder.
1/4 Oz. \$2.00.
- Super Colosal.** **COLE-8.** 50¢
- Striped Empel.** **COLE-9.** 30¢
Striped green, yellow and brown leaves.
- hybridus, Orithello.** **COLE-11.** 40¢
Black; comes true from seed.
- Monarch Strain.** **COLE-10.** 50¢
- Rainbow Blend.** **COLE-X.** 25¢

COLLINIA.

(kol-LIN-ee-ah)
Palmaeae. (Chamaedorea) (Neanthe).
—**elegans.** **COLN-1.** 50¢
(Chamaedorea elegans; Neanthe bella)
Mexican shade palms; they make good pot or porch palms. 100 seeds \$3.00, 1,000, \$20.00.

COLLINSIA. (ko-LIN-see-ah)

Scrophulariaceae. Hardy annuals, showy and free-flowering; easy; much used for RG and edging; stands part shade. They prefer a dry location.

- heterophylla.** **COLL-3.** 25¢
(C. bicolor) Rose, white, lilac and blue fls; June-Aug; 15"; space 8". **Oz. 75¢.**
- candidissima.** **COLL-3C.** 25¢
An all white variety.

COLUTEA.

Sow seed in spring either in flats or open ground; germination usually good.

- arborescens.** **COLU-1.** 25¢
Oz. 50¢; lb. \$1.50.

It will help if you can use order blank.

COLVILLEA.

Leguminosae. One African tree with very showy bloom; (IX).

- racemosa.** **COLV-1.** 40¢
African trailer for far S; showy flowers, scarlet with yellow stamens in dense drooping racemes 18" long. 100 sds \$3.00.

COMMELINA.

(kom-el-LYE-nuh)
Commelinaceae. Day Flower. The fls last but one day; grown out doors or GH.

- diffusa.** **COMM-8.** 40¢
(Sellowiana) Creeping perennial; good ground cover (IV).

CONVOLVULUS.

(kon-VOLV-yew-lus)
Convolvulaceae. Bind-weed. Flowers are similar to the Morning Glory; much used as vines for covering unsightly places. The "Wild Morning Glory" a bad weed is C. arvensis. (C-1).

- Cantabrica.** **CONV-4.** 35¢
Erect or prostrate; 2 ft; rose or pink fls in clusters, 1/2" long.

- Crimson Rambler.** **CONV-1.** 20¢
Climber to 10 ft; crimson fls; HHA.

- Cantabrica.** **CONV-4.** 40¢
To 2 ft; rose or pink fls in clusters; RG; Medit. regions.

- tricolor.** **CONV-22.** 25¢
Deep blue, yellow and white fls; HA.

- Cambridge Blue.** **CONV-22C.** 25¢
A clear azure-blue variety; 1 ft; pretty.

- Minor, Dwarf Mixed.** **CONV-22MX.** 20¢
Richly colored in shades of blue, white and rose; does well in poor soils; 1 ft; HA.

- Lavender Rosette.** **CONV-22L.** 25¢
Very attractive variety of prostrate habit; lavender-blue fls; 9"; HA; trailing.

- Royal Ensign.** **CONV-22R.** 25¢
Deepest blue; ideal bedder or edger; 12".

- mauritanicus.** **CONV-14.** 40¢
Prostrate; fls blue, 2" ac; basket and ases; (IX); HP; Af.

- Randii.** **CONV-17.** 25¢
Dainty species; 12"; pure white; sun; lvs silvery.

- Convolvulus Mixed.** **CONV-X.** 20¢

COOPERIA. (koo-PEER-ee-ah)

Amaryllidaceae. Rain-Lily. Bulbous night blooming plants with basal grass-like leaves.

The flowers are fragrant and white; not hardy in the North but can be carried over in dry soil in frost proof room.

—**pedunculata.** **COOP-3. 40¢**
Tender bulb; white fls tinged red; Texas.

COPROSMA. (kop-ROSS-muh)

Rubiaceae. Very variable genus from N. Z. and nearby countries; many are exceptionally handsome in fruit, displaying tightly clustered masses of bright berries. Probably all are hardy above the (IX) zone.

—**Baueri.** **COPR-4. 40¢**
Compact growing sh; dark green shining lvs; good on sea coast; hedge; 10 ft; (X); N. Z.

—**grandiflora.** **COPR-10. 40¢**
Distinct; membranous evergreen; white fls; reddish orange berries; 15 ft; (X).

—**propinqua.** **CRPR-16. 25¢**
—**robusta.** **COPR-26. 3 ¢**

Dark glossy green lvs; white fls followed by yellowish to reddish orange berries; 10 ft; (IX); N. Z.

CORDIA. (KOR-dee-ah).

Boraginaceae. Tropical trees and shrubs grown in the GH in the North or out side in the South.

—**Boissieri.** **COR-2. 30¢**
Wild Olive. To 25 ft; Texas; (IX).

CORDYLINE. (kor-dee-LYE-nee).

Lilaceae. Warm climate trees and shrubs with stiff narrow leaves, many having pretty striped and colored leaves; grown in the greenhouse in the North but are hardy in the South.

—**australis.** **CORD-2. 25¢**
Known as the Cabbage Tree. Striking tree of tropical appearance with bushy heads of grass-like lvs, 3 ft long; white, sweet scented fls in large panicles; 20 ft; (IV); makes good pot or tub plant.

—**Banksii.** **CORD-4. 50¢**
Leaves longer than C. australis; open and drooping, bronzy; fls white, sweet scented, in large panicles; graceful shrub; ideal for riverside; 8 ft; (V).

—**indivisa.** **CORD-12. 25¢**
Dracaena indivisa. Very popular as a center plant, with its long spiked lvs; grown by the GH trade. 250 sds, 50¢; 1,000, \$1.30¢.

—**lineata.** **CORD-12L. 30¢**
100 seeds \$1.00.

—**major.** **CORD-12M. 30¢**
100 seeds, \$1.00.

—**latifolia.** **CORD-12F. 30¢**
100 seeds, \$1.00.

—**purpurea.** **CORD-18. 30¢**
Very attractive species having distinctive coppery foliage; (VI).

COREOPSIS

Compositae. Annual and perennial plants with yellow brown or rose fls, blooming in summer and fall; makes ideal cut-flowers as well as display in the border. The annuals of this genus, see Calliopsis; C-23.

C. LANCEOLATA: Perennials to 3 ft; hardy and grown for cut-flowers or in the border; C-23.

—**New Gold.** **CORE-12N. 20¢**
100% double, rich golden yellow fls; 18"; nice for cutting.

—**Double Sunburst.** **CORE-12S. 20¢**
Flowers 1½-2 in. across; golden yellow; comes 80% double. ½ Oz. 40¢.

—**Mayfield Giant.**
Oz. 50¢.

CORE-12M. 20¢

COREOPSIS SPECIES:

—**grandiflora.** **CORE-11 25¢**

Yellow rays; 2½" ac; HP.

—**insecta.** **CORE-10. 25¢**

4-5" golden yellow fls; 3 ft; S. Rhodesia.

—**maritima.** **CORE-17. 25¢**

Sea-Dahlia. 3 ft; heads 3½" ac; Calif.

—**verticillata.** **CORE-30 25¢**

Thead-leaf C. Deep yellow, heads 2" ac;

3 ft; HP. (ver-tiss-sil-LAY-tah).

—**Stillmanii.** **CORE-26. 25¢**

Flower heads 1½" ac; 1 ft; HA; Calif; said to be the quickest to flower from seed;

C-7.

CORIANDER: see *Coriandrum sativum*.

CORIANDRUM. (cor-ee-AN-drum)

Annuals, one species a well known herb grown for its seeds, used for seasonings. Easily grown; sow in sp in N or in the fall in the South.

—**sativum.** **CORI-1. 25¢**
Coriander. 3 ft; HHA. Oz. 40¢; lb. \$2.50.

CORIARIA.

Coriariaceae. Shrubs hardy in (IX) or (X) zones; small greenish fls in racemes.

—**ruscifolia.** **CORR-5. 25¢**
(C. sarmentosa) (IX); 15-25 ft; seeds are poisonous altho natives make a wine of the berries.

CORN — ORNAMENTAL KINDS.

The ornamental sorts are very pretty, some with varied colored leaves and other with colored kernals; they are interesting subjects for children to grow; all easily grown.

—**Basseit's Rainbow Corn.** **CORN-1. 25¢**
This is the brightest strain grown; all colors of the rainbow; ears are showy.; lb. 50¢.

—**Strawberry Pop Corn.** **CORN-2. 25¢**
The true red Strawberry type; ornamental; Oz. 50¢; ¼ lb. 90¢.

—**gracillima variegata.** **CORN-3. 25¢**
Grows to 4-5 ft; leaves striped with white and pink; for ornamental foliage. Oz. 40¢.

—**Curagua.** **CORN-4. 25¢**
Indian Corn. White, yellow and black kernals; robust growth with green lvs; this lot is white seeded.

OTHER CORNS: see under Zea.

CORN SALAD: see *Valerianella locusta* v. oltoria.

CORNUS.

(COR-nus)

Cornaceae. Dogwood. Shrubs and small trees, early flowering and showy; easily grown in well drained soil.

—**canadensis.** **CORS-12. 30¢**
Bunch-Berry. Low HP to 10 inches; very hardy; ground cover. Oz. 70¢; lb. \$3.30.

—**florida.** **CORS-17. 30¢**
Dogwood. Small tree; white fls; showy. Oz. 50¢; lb. \$3.75. d b.

—**Kousa.** **CORS-22. 40¢**
Tree to 20 ft; dense heads of creamy white fls. Oz. 50¢; lb. \$3.50.

—**macrophylla.** **CORS-23. 50¢**

—**mas** **CORS-24. 30¢**
Conelien Cherry. Tr. to 20 ft; yellow fls; edible fruits. Oz. 60¢; lb. \$1.60; c. s.

—**obligna.** **CORS-27. 25¢**
10 ft. sh; stems purplish or yellowish red; fls 2" ac, in cymes; fr. blue; (III).

- anguinea.** **CORS-34. 40¢**
Oz. 75¢; lb. \$2.00; c. s.
—**stolonifera.** **CORS-36. 30¢**
Red Osier D. 10 ft; dark red branches.
c. s. Oz. 60¢; lb. \$4.50.

COROKIA. (kor-ROH-kee-uh)
Cornaceae. (X).

- Cheesemanii.** **CORK-5. 50¢**
Slender twiggy shrub with grayish foliage; fls and berries yellow; not common; 9 ft; (IX).
—**Coloneaster.** **CORK-7. 50¢**
Rigid sh with interlcing black branches; fls yellow, followed by bright berries; 6 ft; (I); N. Z.
—**macrocarpa.** **CORK-15. 50¢**
Bushy sh; lvs silvery white underneath; yellow fls; berries golden yellow; 10 ft; (X); N. Z.

CORPANTHA.

- vivipara.** **CORH-74. 50¢**
Cacti. Ball to 4' ac; crown silky carmine; (II) HP.

CORTADERIA. (kor-ta-DEE-re-ah)

Pampas Grass. Gramineae. Ornamental grasses not hardy in the N. They thrive in light rich soil. They are pretty; start indoors in Jan. or Feb. in the N and grow on in pots; they will not stand frosts.

- Selloana.** **CORT-2. 25¢**
(C. argenteum) Tender ornamental grass; 20 ft; TP.
—**rosea.** **CORT-2R. 25¢**
A type with pinkish plumes.

CORYDALIS. (cory-DA-lis)

Fumariaceae. Yellow, rose, blue or purple dicentra-like fls in terminal racemes; they are easy to grow in fair garden soil.

- cheilanthisfolia.** **CORY-7. 50¢**
Lemon-yellow fls amid ferny fol, tinged gray and maroon; HP; China.
—**lutea.** **CORY-12. 40¢**
Maidenhair-fern-like fol; spikes of vivid yellow tubular fls; May-June; sow in April.
—**nobilis.** **CORY-16. 30¢**
Golden yellow; non-rampant; very early; 10"; HP.
—**ochrolenca.** **CORY-19. 40¢**
Yellowish white fls; 15 inches; HHP; Italy
—**sempervirens.** **CORY-27. 30¢**
Roman Wormwood. Dainty pink fls, yellow tips; 2 ft; HA or HB.
—**Wilsonii.** **CORY-40. 50¢**
Silver fol in basal rosettes; yellow plumes in summer; HP; China.

CORYLUS.

- Avellana.** **CORL-2. 25¢**
Oz. 50¢; lb. \$1.70.

CORYNOCARPUS.

- californica.** **CORU-4. 50¢**
Wash. Calif; lb. \$1.90.
—**laevigata.** **CORU-5. 50¢**
Tree to 30 ft; lvs 8" long; greenish fls in panicles to 8" long; nice tub-plant; drought resistant; (XI); N. Z.

CORYPHANTHA: see under Cacti.

COSMOS

Showy late flowering annuals and perennials allied to the Dahlia. They are easily grown and thrive even in rather poor soils; useful both in border or for cutting; C-7.

C. BIPINNATUS: Half hardy annuals to which belong the commonly known garden

forms. Sow direct or may be started indoors; 8-10 ft; HHA. C-7.

SENSATION TYPE: Extra large well formed flowers on erect plants; space 20 in.

- Cardinal.** **COS-1C. 20¢**
Large showy dark red. ½ Oz. 40¢.
—**Dazzler.** **COS-1D. 20¢**
A very pretty crimson; 4 ft tall.
—**Pinky.** **COS-1P. 20¢**
A new clear rose-pink.
—**Radiance.** **COS-1R. 20¢**
Deep rose with crimson ring; dandy.
—**Rose Queen.** **COS-1Z. 20¢**
NEW. Rose overlaid with clearly defined crimson zone.
—**Scarlet.** **COS-1S. 20¢**
—**Purity.** **COS-1W. 20¢**
A pure white variety.
—**Blend of Above.** **COS-1X. 20¢**
—**Any of Above** (except as noted) ½ oz. 40¢; oz. 75¢.

TRUE or EARLY FLOWERING: A superior garden strain of large size but early blooming flowers.

- Crimson Queen.** **COS-2C. 20¢**
—**Rose Queen.** **COS-2Z. 20¢**
—**White Queen.** **COS-2W. 20¢**
—**Mixed Queen.** **COS-2X. 20¢**

HYBRID VARIETIES: These are not as tall growing; excellent in the border and for cutting.

- Fiesta.** **COS-3S. 25¢**
Brilliant semi-double; fls gold, striped scarlet; NEW; cutting. ½ Oz. \$1.50.
—**Orange Flare.** **COS-3F. 20¢**
Large orange flowers.
—**Orange Ruffles.** **COS-3R. 20¢**
Pretty ruffled orange petals.
—**Yellow Flare.** **COS-3Y. 20¢**
A rich yellow.
—**Mixed Hybrids.** **COS-3X. 20¢**
Any of above varieties: Oz. 60¢.

OTHER COSMOS TYPES:

- atrosanguineus.** **COS-10. 25¢**
—**Double Crested.** **COS-4X. 20¢**
Large double crested flowers in white, pink and crimson.
—**Late Mammoth Mxed.** **COS-5X. 20¢**
Large single flowers best for the South.
—**Double Mixed.** **COS-7X. 20¢**
—**Cosmos Blend.** **COS-X. 15¢**
All kinds mixed. Oz. 40¢.

COSTUS.

(KOS-tus)
Spiral Flag. Zingiberaceae. Tropical perennials with red, yellow and white fls in dense spikes; rich moist soil; grown in the South.

- speciosus.** **COST-5. 25¢**
White with yellow center; 5 in. spikes; India; 10 ft; TP.

COTONEASTER.

(koh-toh-ne-AS-ter)
Rosaceae. Temperate zone shrubs, mostly native of China; very ornamental but some are not hardy in zone (IV); sunny position and well drained soil; the seed should be stratified or sown in the fall and not disturbed for over a year.

- acuminata.** **COTN-1. 30¢**
Pinkish fls in clusters; 12 ft; (IV); c. s. Oz. 50¢; lb. \$5.50.
—**acutifolia.** **COTN-2. 50¢**
Pekin C. c. s. Oz. 70¢; lb. \$9.00.
—**apiculata.** **COTN-8. 30¢**
Decid. sh; 6 ft; pink fls; bright red fr; China; (IV).
—**bullata.** **COTN-10. 40¢**
c.s. Oz. 50¢; lb. \$6.00.
—**microphylla.** **COTN-10M. 40¢**
Decid. sh to 6 ft; pinkish fls 5" long. Lb.

\$5.25.

—Dielsiana.Decid; 8 ft; pinkish fls; fr. bright red; hardy. **c. s. Oz. \$1.00.****—divaricata.**

Decid; 6 ft; pinkish fls; red fr; hardy.

Lb. \$6.50.**—foveolata.**

Pinkish fls in clusters; black fruits; 10 ft. sh; China.

—frigida.

White fls in dense clusters; fr. bright red; South only. 20 ft.

—glaucophylla serotina.

7 ft. semi-evergreen; fls in dense corymbs; W. China.

—horizontalis.Semi-ev; 3 ft; frs. red; hardy. **c. s. Oz. 50¢; lb. \$5.50.****—perpusilla.**Has leaves $\frac{1}{4}$ " or less long.**—humifusa: see C. Dammeri.****—integerrima.**

(vulgaris and pyrenaica) 6 ft; pinkish, nodding fls in clusters; red fruits.

—Microphylla: see C. bullata.**—pannosa.**Silver-leaf C. 10 ft; white fls in clusters; China; (VI). **c. s. Oz. 50¢; lb. \$5.50.****—rosea.**Decid; red fr; 6 ft; HSh. **Oz. \$2.00 d. b.****—rotundifolia.**

Evergreen; white fls in clusters; red fr; 12 ft.

—salicifolia.Ev. to 25 ft; white fls; red fr; hardy. **c. s. Oz. 75¢; lb. \$6.00.****—Mixed Cotoneasters.****COTULA.**

Compositae. An. and per; from the S. Hemisphere; usually low tufted or creeping.

—barbata.

Attractive little edging pl covered with small golden yellow fls; 6"; HHA.

COTYLEDON.(cot-il-LEED-on)
Crassulaceae. Succulent plants with red, yellow or greenish fls; grown in the GH or RG; (see also under Cacti); likes lime.**—obiculata.****—oppositifolia.****—paniculata.****—simplicifolia.**

Succulent; 6"; yellow drooping fls.

—teretifolia.**—Mixed.****CRATAEGUS.**(kra-TEEG-us)
Hawthorn, Thornapple. Rosaceae. Fine shrubs or small trees as specimens, mostly hardy in the North. They come very true from seed which germinates slowly and can be stratified for quicker germination.**—Crus-galli.**Cockspur T. White fls tinged with red; red fr; 20 ft; hardy. **c. s. Oz. 50¢; lb. \$2.90.****—Douglasii.**Tree to 30 ft; fls $\frac{1}{2}$ " ac; black shining fr; Minn; (III). **c. c. Oz. 60¢; lb. \$4.00.****—intricata.**(C. coccinea) Dark glossy lvs; fr large scarlet; 15 ft. **Lb. \$3.25.****—monogyna.**English Hawthorne. To 30 ft. fls $\frac{1}{2}$ " ac; fr. bright red. **c. s. Oz. \$1.25.****—Smithiana.**

English grown seed.

CRAWFURDIA.(craw-FUR-de-ah)
Gentianaceae. Twining plants from the Himalayas and allied to the Gentians, which see for culture. They are not hardy in North

but do well in California; rare in American gardens.

—japonica.

Dull greenish fls; fleshy fruits; very ornamental; vine; HHP.

—speciosa.

Blue funnel-shaped fls; vine; the hardiest species; HHP.

CREMANTHODIUM.

(cre-man-THOD-ee-um)

—Thompsonii.Lemon-yellow fls, $1\frac{1}{4}$ " across. **CREM-5. 30¢****CREPIS.**

(KREEP-iss)

These are showy and very easily grown hardy annuals; flourish in light and dry soils. The fls are dandelion-like and most attractive in the border; colors in red, yellow and orange; space 9" apart.

—aurea.

Orange flower heads; 12"; Alps; HP.

—conyzifolia.**CREP-2. 50¢****—blattarioides.****CREP-3. 50¢****—glomerata.**Yellow fls; black anthers; 6-10" high. **CREP-5. 25¢****—incarna.**Pink fls; 10"; for RG; HP. **CREP-7. 40¢****—Jacquinii.****CREP-8. 50¢****—paludosa.****CREP-10. 30¢****—annonica.****CREP-11. 50¢****—siberica.****CREP-14. 50¢****—Mixed Species.****CREP-X. 25¢****CRESS: see Lepidium sativum. (Herb List).****CROCUS.**

(KROH-kus)

While many species of Crocus are ordinarily purchased as bulbs, a great deal of interest and pleasure can be had in raising them from seeds, especially in hybrids.

—vernus.Lilac fls; native of Europe. **CROC-41. 40¢****—Crocus Blend.****CROC-X. 25¢****CROCUS BULBS:** All kinds can be supplied in the fall; some of the rarer species should be spoken for not later than June 1st. to be fairly sure of delivery.**CROSSANDRA.**

(kros-SAND-ruh)

Acanthaceae. Tropical plants and shrubs grown outdoors in the far S or under glass in the N.

—nilotica. South Rhodesian species. **CROS-3. 40¢****—undulifolia: see infundibuliformis.****—infundibuliformis.**(undulaefolia) Attractive and valuable pot plant with glossy Gardenia-like foliage; fls overlapping petals of clear salmon; sow anytime, best in autumn or early spring; flowers in 7-8 months in warm house at least 70 F. at night, min. 65; rich soil. **CROS-2. 40¢****—(undulaefolia)**

Attractive and valuable pot plant with glossy Gardenia-like foliage; fls overlapping petals of clear salmon; sow anytime, best in autumn or early spring; flowers in 7-8 months in warm house at least 70 F. at night, min. 65; rich soil.

—capensis.Golden yellow Sweet peas; 5 ft. sh; soak seed. **TSh. CROT-6. 30¢****—macca-pa.**Most compact bush; yellow fls; 3 ft; S. **CROT-10. 40¢****—Madagasc.**Prostrate; golden orange fls; RG; sun. **CROT-14. 30¢****—Prostrata.**Prostrate; golden orange fls; RG; sun. **CROT-14. 30¢****—Prostrata.**Prostrate; golden orange fls; RG; sun. **CROT-14. 30¢**

—usaramoensis.
—Mixed Species.

CRUCIANELLA. (kro-she-an-NEL-ah)
Rubiaceae. Crosswort. Annuals and perennials of Medit. region and W. Asia; partial shade; RG.

—**stylosa.** **CRUC-6. 35¢**
Pink fls; plant prostrate; Persia; HHP, C-23.

CRYOPHYTUM. (krye-OFF-it-um)

—**crystallinum.** **CRYO-3. 30¢**
Ice Plant; (X); (Mesembranthemum).

CRYPTOMERIA. (krip-toh-MEER-ee-uh)
Taxodiaceae. One Japanese evergreen tr; pyramidal habit; beautiful growth and used as street trees.

—**japonica.** **CRYM-1. 35¢**
Hardy to D. C. and up to N. E. states; (V). Oz. 50¢; lb. \$6.00.
—**elegans.** **CRYM-1E. 35¢**

CUCUMIS. (KEW-kew-mis)

Tender annual vines to which the Cucumber and Melon belong. They are mainly grown for their edible fruits; some are ornamental as well.

—**Anguria.** **CUCU-1. 25¢**
West India; Burr Gherkin. Fruits curious and used in pickles.

—**ficifolia.** **CUCU-3. 30¢**
Malabar Gourd. Native of warm regions where it is perennial; fruits 12" long, green with white stripes; grown for ornament.

—**dipsaceus.** **CUCU-2. 25¢**
Hedge-hog or Teasel Gourd. For curiosity and ornament.

—**melanosperma:** see **C. ficifolia.**
—**Melo v Dudain.** **CUCU-4D. 25¢**
Fruit size of Orange, marbled; highly perfumed.

CUCURBITA. (kew-KERB-it-uh)

Cucurbitaceae. Running plants of which the Squash, Pumpkin and Gourd are members; some are ornamental as well as edible.

—**dipsaceus.** **CUCB-2. 25¢**
Teasel Gourd. Grown for curiosity and ornament; Arabia.

—**ficifolia.** **CUCB-3. 25¢**
Malabar Gourd. Ornamental; perennial in warm regions.

CUNNINGHAMIA. (kun-ning-HAM-ee-uh)

Taxodiaceae. China Fir. (Belis). Two evergreen trees allied to Cryptomeria. Have stiff sharp pointed flattened lvs. Hardy in the far South.

—**laucotata.** **CUNN-2. 50¢**
(sinensis) Tree to 80 ft; China (V). Oz. 50¢; lb. \$6.50.

CUNONIA. (kew-NON-ee-ah)

Cunoniaceae. Trees and shrubs from the Southern Hemisphere. Ornamental and suitable for far South.

—**capensis.** **CUNO-2. 35¢**
Handsome S. Af. tree; fls white like the Bottle-brushes, above the foliage.

CUPHEA. (KEU-fe-ah)

Lathraceae. Tropical plants, mostly GH subjects in the N but pretty annuals for outdoors in the S; nice for boxes and baskets.

—**Hybrids, Butterfly.** **CUP-3B. 25¢**
Very pretty and in many colors; 2 ft; TA.
—**Firefly.** **CUP-3F. 25¢**

—**heterophylla.** **CUP-4. 35¢**
—**igneae.** **CUP-5. 25¢**

(C. platycentra) Cigar-Flower. Bedding; red and white fls; 1 ft; TA space 9"; very showy in pots.

—**lanceolata.** **CUP-7. 25¢**
Purple fls; Mexico; 4 ft; TA; space 18".

—**Llavea v miniata, Vermilion.** **CUP-8V. 25¢**
Brilliant vermilion fls; 1 ft; TA; space 9".

—**Mixed Cupheas.** **CUP-X. 20¢**

CUPRESSUS. (kew-PRESS-us)

—**arizonica glauca.** **CUPR-1G. 30¢**
Tree to 40 ft; silvery gray when young; probably (VIII).

—**Ducloxiana.** **CUPR-6. 30¢**
Bhuton C. Tree to 150 ft; drooping branchlets; Himalayas; formerly classified as *C. torulosa*. Oz. 50¢; lb. \$3.00.

—**lusitanica.** **CUPR-20. 35¢**
Portuguese or Mexican C. Tree to 50 ft. Oz. 50¢; lb. \$3.00.

—**sempervirens.** **CUPR-17. 35¢**
Italian C. Tr to 80 ft; very ornamental; (VIII)

CURCULIGO. (kur-KEW-lig-oh)

Amaryllidaceae. Stemless Amaryllis-like plants with short thick root stock; popular GH foliage plants or outdoors in the South; requires high temperature; plenty of moisture and a rich soil.

—**capitulata.** **CURC-1. 30¢**
Dark green leaves 3 ft. long; palm-like; fine for pots.

CURTONUS. (kur-TON-us)

Iridaceae. Allied to Antholyza, Chasmanthe and Anapalina. Only one known species; grow as you would Gladiolus

—**paniculatus.** **CURT-1. 30¢**
Leaves 2 ft. long, 3" wide; red-yellow fls; 4 ft; TP.

CUSCUTA.

—**gronovii.** **CUS-1. 50¢**

CYANANTHUS. (cy-NAN-thus)

Campanulaceae. Small Himalayan plants, nice for the RG. They are related to Codonopsis but not climbing, flowering in late summer; hold over first winter in pots; needs good growth first year; a lovely race.

—**lobatus.** **CYAN-4. 30¢**
One of the best species; large blue fls; 6"; HP.

—**microphyllus.** **CYAN-7. 50¢**
(C. integer) Gay blue starry fls on trailing stems; 2"; autumn flowering; HP.

CYCAS. (SYE-kass)

Cycadaceae. Greenhouse plants for specimens or out doors in the South. Cover seed with sand and germinate in greenhouse and pot off as they germinate; 70 degrees Far. Called Palms but they are not.

—**revoluta.** **CYCA-7. \$4.00**
Sago-Palm. 10 ft; Japan. 10 fruits \$4.00; shipped as received.

CYCLAMEN

Primulaceae. Low GH plants, some are hardy outdoors in the N. The florist Cyclamen is very popular.

CYCLAMEN INDICUM: Popular pot plants for the GH. Sow in Sept.; requires 15-18 months for good 6"-pot plants.

Seed should be sown during August to October, placing seeds 1" apart in flats of

light sandy soil to which some leaf mould has been added. Seed is variable in germination, so when seeds are 1" apart, the seedlings can be lifted out without disturbing nearby ungerminated seed; seedlings can be left in seed flat till spring. The main point in their culture is to keep them growing when young.

- Baardee's Wonder.** CYCL-3B. 50¢
Fine salmon with white border.
 - Bonfire.** CYCL-9F. 50¢
Brilliant salmon color.
 - Glory of Wandsbeck.** CYCL-9G. 50¢
One of the best dark crimsons.
 - Glory of Marienthal.** CYCL-9M. 50¢
Soft rose with a bright carmine eye.
 - Rose of Zehlendorf.** CYCL-9Z. 50¢
A showy bright rose color.
 - Salmon-Scarlet.** CYCL-9S. 50¢
An improved America.
 - White with Crimson Eye.** CYCL-9E. 50¢
 - New Ruffled, Mixed.** CYCL-9RX. 50¢
Ruffled petals; try a few in your list.
 - Rococo, Mixed Colors.** CYCL-9CX. 50¢
An extra large flowering strain.
 - Cyclamen Blend.** CYCL-9X. 50¢
A hand-made blend for greenhouse use
- PRICE:** Any of Above, \$12.00 per 1,000. Seeds; 100 seeds (not less than 25 of a kind) \$1.50. Orders received before July 1st—10% more seed will be added.

CYCLAMEN SPECIES:

Seed is best if sown as soon as possible after harvest; if not ordered otherwise, orders on the following received after Jan. will be so held.

- cilicium.** CYCL-3. 50¢
Large pale rose fls purple in throat; seed available after new crop; limited.
- coun.** CYCL-4. 50¢
Purple fls with spotted throat; seed will be available after new crop; limited.
- europacum.** CYCL-6. 50¢
Bright red fls; fragrant 4-5"; HP; IV.
- neapolitum album.** CYCL-12. 50¢
Hardy white Cyclamen; autumn flowering; 4"; HP; IV.
- Tregye Strain.** CYCL-12T. 50¢
Seed available after new crop; limited.
- pseud-ibericum.** CYCL-14. 50¢
Seed available only from new crop.

CYDONIA.

(cy-DON-ee-ah)

Rosaceae. Quince. A small tree to 20 ft; the Japanese Q. see under Chaenomeles.

- sempervirens.** CYDO-3. 35¢

CYMBALARIA.

(sim-bah-LAY-re-ah)

Scrophulariaceae. Creeping herb perennials; very much like Linaria. They are tender and should be grown as annuals in the N; nice basket plants for shady places.

- **muralis.** CYMB. 3. 25¢
Kenilworth Ivy. Lilac-blue fls; a good basket plant for shady places.

CYNARA.

(SIN-er-uh)

Compositae. Course per. and bien. plants native of Medit. regions.

- Cardunculus.** CYNA-1. 25¢
Cardoon. Cultivated for its edible root; start early; 6 ft. Oz. 50¢.
- Spineless.** CYNA-1S. 25¢
Oz. 40¢.
- Bolognese.** CYNA-1B. 25¢

CYNOGLOSSUM.

(sin-oh-GLOS-um)

Boraginaceae. Hound's Tongue. Annual, biennial and perennial plants grown for cut-flowers.

- amabile.** CYNO-1. 20¢
Deep blue; 2 ft; grow as HA; space 12".

Oz. 50¢.

- Blue Cloud.** CYNO-1BC. 25¢
A delicate blue and white; a dwarf Firmament habit. ½ Oz. \$1.50.
- Pink.** CYNO-1P. 25¢
- Firmament.** CYNO-1F. 25¢
A compact blue var; 15"; HA. ½ Oz. 40¢.
- coelestinum.** CYNO-3. 20¢
Properly listed as *Adelocaryum caelestinum*. Blue fls; 2 ft; especially grown for bee food. Oz. 50¢; lb. \$2.00.
- linifolium:** see *Omphalodes linifolia*.
- zaylasicum.** CYNO-9. 30¢
(*C. furcatum*). 3 ft; HA; blue fls; India.
- Cynoglossum Mixed.** CYNO-X. 20¢

CYPERUS.

(sy-PEE-rus)

Cyperaceae. Galingale. An. but mostly perennials; leaves grass-like; fls in spikelets. They are grown in ponds or as pot plants.

- alternifolius.** CYPE-2. 30¢
Umbrella Plant. For water edge; 3 ft; TP. ¼ Oz. 50¢; Oz. \$1.50.
- nana compacta.** CYPE-2N. 40¢
Dwarf compact strain for pots. 1/8 oz. 65¢
- congestus.** CYPE-3. 35¢
(*Paramatta*). Good in dry places.
- elegans.** CYPE-5. 30¢
Fine lvs; very pretty. Oz. \$1.50.
- natalensis.** CYPE-7. 30¢
To 2 ft; spikelets on rays 7" long; Natal. Oz. 60¢.
- Papyrus.** CAPE-9. 40¢
To 8 ft; paper plant of Egyptians; grown in ponds.
- parametta.** CAPE-10. 40¢
For dry places.

CYPHOMANDRA. ..(sy-eh-foh-MAND-ruh)

Solanaceae. S. Am. tropical shrubs and trees with flowers in racemes or cymes followed by many seeded berries. Grow same as Egg Plant; hardy only in far South.

- betace.** CYPH-1. 35¢

CYPRIPEDIUM

Orchidaceae. Lady Slipper. Terrestrial orchids, hardy in zone (III); very prettl; try sowing seed on rotted wood in shady place.

- acaule.** CYPR-1. 60¢
Pink Lady Slipper. Beautiful in shady spots; May-June; HP; (III); try sowing seed on well rotted hard wood.
- Calceolus.** CYPR-4. 50¢
Yellow Eurasian Lady Slipper. Styria.
- pubescens.** CYPR-4P. 50¢
Larger and more hairy; fls larger; (III).
- Reginae.** CYPR-18. 50¢
Showy Lady Slipper. Fls 3" ac; white, lips striped rose; HP; (III).

PLANTS: We can supply plants in Spring or Fall; see plant list.

CYPTOSTEGIA.

Asclepiadaceae. Rubber Vine. Three woody tropical Af. vines; large funnel-shaped fls; can be grown under glass.

- grandiflora.** CRYG-2. 35¢
Very attractive tree or bush; funnel-shaped reddish purple fls that turn pale with age.

CYTISUS.

((SIT-iss-us))

Leguminosae. Broom. Shrubs very similar to Genista. They are not hardy in the North but can be forced in the GH in a cool place; many are very showy. They thrive in full sun but not too rich soil.

- decumbens.** CYTS-16. 35¢
Prostrate, yellow fls; May-June; 8"; HP.
- hirsutus v. demissus.** CYTS-24D. 75¢

Very rare; best of all the really dwarf, prostrate rockery Brooms; trailing stems and immense brown and deep orange-yellow fls in summer. sun and poor soil; easy. good on sea coast; hedge plant; 10 ft; (X); New Zealand.

- purpureus.** CYTS-44. 40¢
White, pink or purplish fls; 2 ft.
—**scoparius.** CYTS-48. 40¢
(*Spartium scoparium*) Oz. 50¢; lb. \$2.00.

DABOECIA. (dab-oh-EESH-ee-uh)

Irish Heath. Ericaceae. One evergreen Heath-like shrub, suitable for the RG; it requires winter protection in the N; thrives in a peaty acid soil.

- cantabrica.** DAB-1A. 50¢
Irish Heather. White form; 2 ft; HSh; V.
—**Hybrid.** DAB-1H. 25¢
Pink to rose; 6-12 in; long bloomer; HP.

DAHLBORG DAISY: see *Thymophylla*.

DAHLIA

Compositae. Tender perennials; the growing of them from seed is an interesting undertaking and many new forms and varieties can be developed; start seed indoor for an early start, or seed can be planted out doors so that seedlings will not be killed by frosts.

In the dwarf types, especially, flowers can be produced from seeds as soon as from the tubers or cuttings and with the added advantage of more robust growth. Do not throw weak seedlings away as they often produce the best flowers; start seeds indoors in Feb. or March for early flowers.

- Coltess Hybrids.** DAHL-2. 25¢
Dwarf; single fls, blooming in 4 months from seed. Oz. 80¢.
Large semi-double fls; breeds true; 1½ ft.
—**Scarlet Gem.** DAHL-2S. 25¢
Oz. 90¢.
—**White.** DAHL-2W. 25¢
Oz. \$1.00.
Oz. \$1.00.
—**Yellow Gem.** DAHL-2Y. 25¢
Breeds true from seed; 15 inches.
—**Collarette.** DAHL-3. 25¢
Large semi-double flowers
—**Decorative Giants.** DAHL-4. 25¢
Exhibition strain from newest varieties. Oz. \$4.00.
—**Gem.** DAHL-4G. 25¢
Large flowering hybrids in dwarf form.
—**Giant Hornsveid Hybrids.** Dahl-2G. 25¢
Immense double and semi-double fls; this comes true from seed.

- Mignon.** DAHL-6. 25¢
Very large single fls in bright colors; 18". Oz. 60¢.
—**Queen of Moorland.** DAHL-9. 25¢
Dwarf; black lvs; double; Feb. sown seed blooms in July; 18".
—**Unwin's Dwarf Hybrids.** DAHL-7. 25¢
Semi-do and double fls; 24"; in bright colors. Oz. \$1.00.
—**Single Varieties Mixed.** DAHL-8X. 25¢
Oz. 50¢.
—**Mixed Dahlias.** DAHL-X. 25¢

DANAE. (DAY-nuh-ee)

Liliaceae. Native of S. W. Asia.

- racemosa.** DANA-1. 35¢
Alexander Laurel. Small white fls in terminal racemes; 3 ft; red berries; native of S. W. Asia. d. b. Oz. 50¢; lb. \$3.50.

DAPHNE. (DAFF-nee)

Small deciduous and evergreen shrubs especially valuable for their fragrant fls; they thrive in a well drained sandy loam, well

supplied with leaf mould. They are not all hardy in the N and some are grown in the GH; use lime-free soil. (Thymelaeaceae).

- alpina.** DAPH-1. 40¢
White or pinkish fls; May-June; in terminal clusters; 1 ft; HHSh
—**glandulosa.** DAPH-12. 50¢
—**Mezereum.** DAPH-16. 50¢
Lilac-purple fls; scarlet fr; 4 ft; seed can be sown in July or August; peaty soil. Oz. 50¢; lb. \$3.50.
—**oleoides.** DAPH-20. 30¢
White or pale lilac fls; 3 ft; ev; TSh.
—**alba.** DAPH-16A. 50¢
White flowered form and yellow fruits.
—**rubra.** DAPH-16R. 30¢
—**Mixed.** DAPH-X. 25¢
Reddish purple flowers.

DASYLIRION. (dass-il-LIHR-ee-on)

- glaucophyllum.** DASY-3. 50¢
18 ft; (X). 100 seeds \$1.60; 1,000, \$4.50.
—**gracile.** DASY-5. 50¢
100 seeds \$1.80; 1,000, \$5.00.
—**longifolium:** see *Nolina longifolia*.

DATURA. (dah-TEU-rah)

Annual and perennials found in warm regions, some of which are ornamental on account of their large trumpet-shaped fls; they should be treated as tender annuals in the N but hardy in the far South.

- arborea.** DATU-1. 30¢
Angel's Trumpet. Small tr; large white fls with musk-like odor.
—**fastuosa fl. pl.** DATU-8. 25¢
Double flowers mixed. Oz. 80¢.
—**ferox.** DATU-9. 25¢
Light blue flowers.
—**innoxia.** DATU-10. 25¢
—**Metel.** DATU-11. 25¢
Large double whitish fls, purple calyx; 5 ft; TA.
—**alba plena.** DATU-11A. 30¢
Large white fls. Oz. 50¢.
—**aurea plena.** DATU-11Y. 30¢
Yellow fls. Oz. 50¢.
—**coerulea plena.** DATU-11B. 25¢
Blue flowers. Oz. 50¢.
—**Stramonium.** DATU-18. 25¢
White or lavender fls, 4" long; trumpet; 5 ft; TA.
—**Tatula.** DATU-18D. 25¢
Purple flowered form.
—**Trumpet-in-Trumpet.** DATU-30. 25¢
—**Mixed Datura.** DATU-X. 25¢

DAUBENTONIA. (dau-ben-THON-ee-ah)

Shrubs and trees with pinnate leaves and yellow or rose fls in racemes followed by 4-winged or -angular pods; not hardy in the N.

- texana.** DAUB-3. 30¢
—**Tripetii.** DAUB-4. 30¢
Orange-red with scarlet standards; in drooping racemes; 6 ft; HHSh.

DAVIESA.

- corymbosa.** DAVI-3. 30¢
Narrow-leaf Butter Pea. Yellow pea-shaped fls covering the 2-5 ft. shrub; Aust.

DECAISNEA. (dek-KAY-nee-uh)

Lardizabaloceae. Asian shs; flowers in paniced racemes followed by ornamental fruits.

- Fargesii.** DECA-4. 50¢
Shrub; 16 ft; greenish fls; China; (V).

DECODON.

(DEK-oh-den)
Found in swamps and about ponds; Me to Fla.

—**verticillatus.** **DECO-1. 30¢**
White Willow, Swamp Loosestrife. Rose-purple fls 1" ac; 8 ft; July-Sept; HP.

DELONIX. (de-LON-ix)

Trees with showy orange and scarlet fls in racemes; grown only in the far S. They have been classed, incorrectly, as Poinciana and Caesalpina. D. regia is the commonly grown Royal Poinciana of the far South.

—**regia.** **DELO-1. 35¢**
Royal Poinciana; Peacock Flower; red fls; very showy; (IX). Oz. 75¢; lb. \$4.00.

DELPHINIUMS

Larkspur. (del-FIN-ee-um), Ranunculaceae. A large number are very showy fls for the border. The large flowering garden strains are usually started in August or early spring just so they get rooted by freezing weather. Keep the seed flat in a shady place till the seedlings appear. Fresh seed is available in late August..



GIANT DELPHINIUMS

PLEASE NOTE: All Delphinium seed received from us should be planted at once or placed in the refrigerator till used.

PACIFIC GIANT STRAIN:

These are the most popular of all the Delphiniums; they are about 65% mildew resistant and 100% double.

—**Astolat Series.** **DELP-1T. 75¢**
Although this new group of novel shades was introduced in 1950, the seed produced this year is far ahead of the original production. Color variations extend from pale blush through all shades of lilac-pink to deep raspberry-rose with large fawn and black bees for contrast. Seed offered is grown for me by the originator—Vetterle and Rhinelt.

—**CROSS POLLINATED SEED: Pkt. \$3.00.**
(Over 400 seeds).
1½ Pkt. 2(0 0seeds) \$1.50.

SELF POLLINATED SEED:
Large Pkt. (Over 400 seeds) **\$1.50**
1½ Pkt. (Over 200 Seeds, 75¢.

—**Black Knight.** **DELP-1K. 50¢**
Darkest violet with black bee; 2½" ac.

—**Blue Bird.** **DELP-1B. 50¢**
True blue with white bee.

—**Blue Jay.** **DELP-1J. 50¢**
Clear medium to dark blue with contrasting bee.

—**Cameliard.** **DELP-1C. 50¢**
Clear lavender self with white bee; 3" ac.

—**Galahad.** **DELP-1W. 50¢**
Giant white fls with white bee.

—**Guinevere.** **DELP-1G. 50¢**
Clear pink-lavender self with white bee.

—**King Arthur.** **DELP-1A. 50¢**
Rich royal purple; large white bee.

—**Lanceolate.** **DELP-1L. 50¢**
Clear lilac self with white bee; a rare Delphinium color.

—**Percival.** **DELP-1P. 50¢**
Large glistening white; strong contrasting bee.

—**Round Table.** **DELP-1R. 50¢**
All the colors plus many beautiful hybrids.

—**Summer Skies.** **DELP-1S. 50¢**
Light sky blue with white bee.

—**Series Blend.** **DELP-1X. 50¢**
Hand made blend of just the above series.

PRICE: Any of the above: ½ Oz. \$2.60; Oz. \$5.00; lb. \$50.00.

BELLADONNA: This class is not as tall nor as large flowered as the Pacific Giants but they are easier to grow and will stand up better and require less care; they are also much better in the South.

—**True Type.** **DELP-2B. 25¢**
Clear blue on nice strong plants.

—**Blue Grotto.** **DELP-2G. 25¢**
Deep indigo-blue; 3 ft; excellent cut.

—**Cliveden Beauty.** **DELP-2C. 25¢**
Lovely turquoise-blue; 3 ft; excellent cut.

Oz. \$1.20.
—**Iceberg.** **DELP-2G. 30¢**
Pure white variety; new. ½ Oz. \$1.00.

—**Improved Strain.** **DELP-2V. 25¢**
This strain is a deep blue; 3 ft.

—**bellamosum.** **DELP-2M. 25¢**
Rich deep blue with white bee; 2" fls.

Oz. \$1.40.
—**Mixed.** **DELP-2X. 25¢**
Any of above: Oz. \$1.60; lb. \$12.00.

—**Hollyhock Strain.** **DELP-2H. 35¢**
Has very long spikes, densely covered with flowers; comes in light colors, mixed.

Oz. \$2.25; lb. \$24.00.

—**Blackmore and Langdon.** **DELP-21. 40¢**
A very large flowered strain of hybrids in exquisite colors; the English version of the Pacific Giants. **Oz. 2.00; lb. \$23.00.**

CHINENSIS: While these are perennial they are best treated as annuals from early started seed. They are robust growers and rarely need staking; fine cut.

—**Azure Fairy.** **DELP-3A. 25¢**
Dwarf azure-blue; 1 ft. **Oz. 90¢.**

—**Blue Mirror.** **DELP-3M. 25¢**
A new type; light blue, without spurs and fls facing upwards. **Oz. \$1.50.**

—**White Mirror.** **DELP-3MW. 30¢**
A 1956 introduction; pure white variety, without spurs; large fls. ½ Oz. \$1.40.

—**Blue Butterfly.** **DELP-3B. 25¢**
Dwarf; ultramarine-blue; 1 ft. **Oz. 90¢.**

—**White Butterfly.** **DELP-3V. 25¢**
Blooms first year from seed; white; bedding or border. **Oz. 90¢.**

—**Cambridge Blue.** **DELP-3C. 25¢**
Rich belladonna blue; 15". **Oz. \$1.00.**

—**Tall Blue.** **DELP-3T. 75¢**
Grows 24-30 inches; good cut. **Oz. 90¢.**

—**Tall White.** **DELP-3W. 25¢**
Grows 2-3 ft; bedding or cut.

—**Dwarf Mixed.** **DELP-3DX. 25¢**

—Tall Mixed.

DELP-eTX. 25¢

Any of Above: Oz. \$1.60; lb. \$12.00.

DELPHINIUM SPECIES:

- bicolor.** DELP-9. 35¢
Erect western sp; 20 in; blue; dies done during the summer months; HP.
- Bulleyanum.** DELP-12. 40¢
Deep blue fls; 4-5 ft; China.
- cardinae.** DELP-16. 40¢
The Scarlet Delp. Erect; 2-3 ft; bright scarlet with yellow petals.
- carolinianum.** DELP-12. 40¢
Wild Larkspur. HA; 3 ft; spikes light blue; fls early sp; rich moist soil. ½ oz. 50¢
- cashmerianum.** DELP-20. 50¢
Dwarf; blue; 10"; RG; Himalayas; HP; best germination had with Feb. sown seed.
- cuyamaca.** DELP-29. 50¢
- aeorum.** DELP-32. 40¢
A deep purple species; 4-6"; RG.
- grandiflorum.** DELP-46. 40¢
Blooms first year; brilliant blue; 1 ft; HP; best sown in Feb.
- incanum.** DELP-52. 40¢
- macrocentron.** DELP-58. 50¢
Flowers hanging; blue or yellow; 5 ft; South Rhodesia.
- Menziesii.** DELP-59. 50¢
Deep blue; western U. S. sp; 4-5 ft; HP; best sown in Feb.
- nudicaule, Red Cardinal.** DELP-62R. 35¢
Rich scarlet flowers; long spurs; 1 ft; RG; Oz. \$3.00.
- Orange Queen.** DELP-62Q. 40¢
Bright orange flowers; Oz. \$4.00.
- orientale.** DELP-65. 50¢
Violet-blue; HA.
- paniculatum.** DELP-69. 35¢
Violet-blue fls; 3 ft; HA.
- Parryi.** DELP-71. 40¢
Deep blue; S. Calif; 3 ft.
- sulphureum.** DELP-95. 35¢
- Welbyi.** DELP-103. 50¢
Blue; 2 ft; fls 2" ac; Abyssina.
- yunnanense.** DELP-104. 75¢
True species; deep blue, long racemes; China; 3 ft; HP.
- Zalil.** DELP-105. 60¢
(D. sulphureum). Primrose-yellow fls; 2 ft; HP; best sown in the fall to germinate in the spring.

DESMODIUM.

(des-MOH-de-um)

Tick Trefoil. Leguminosae. Plants, often woody at the base, grown in the border or wild garden; fls in racemes.

—**motorium.**

DESM-12. 30¢

(gyrans). Telegraph Plant. Grown in the GH; treat as An; 4 ft; HP.

DEUTZIA.

(DEWT-see-uh)

- scabra.** DEUT-38. 50¢
(D. crenata) c. s. Oz. 50¢; lb. \$3.00
- Vilmoriniae.** DEUT-45. 50¢
White fls, 1" ac; 6 ft; China. Oz. \$1.90.

DIANELLA.

(dye-an-NELLuh)

Liliaceae. Fibrous rooted perennials and grown outdoors in the S or in a cool GH; sow seeds in the spring, over heat.

—**intermedia.**

DIAL-4. 40¢

Greenish or purplish white fls in panicles; 2 ft long; has creeping root stock; (X); N. Z.

—**revoluta.**

DIAL-6. 40¢

Flax Lily. Thick clumps of Rush-like vs; small blue fls on stalks well above fol.

—**tasmanica.**

DIAL-8. 25¢

Grass-like ornamental foliage; large pea-cok-blue br; very attractive; nice in tubs; (VIII) 5 ft; Tasmania.

Please do not order by the common name!

DIANTHUS

(die-ANTH-us) Pinks, Carnations, Sweet William. Caryophyllaceae. A very large genus with many types and varieties. They are rather hardy and range in height from very low plants to 3 ft.; they have one common requirement—never cover the tops with a winter mulch. Shearing plants in the spring tends to keep them in shape; start the annual kinds as early as possible in the spring but the perennials can be started any time up to August; germ. 10-14 days.

D. **BARBATUS:** Sweet Williams. While they are perennial they are best treated as biennials; 1-2 ft; makes cut-flowers late in the season; sow seed in April or May, thinly and prick out early; they can be started also in July or August.

—**auricula-eyed, Mixed.** DIAN-17AX. 25¢
All with large white eye.

—**Dunneltii.** DIAN-17D. 25¢
Blood-red fls; best of this type.

—**Harlequin.** DIAN-17H. 25¢
White, rose and red shades on the same flower head; pretty.

—**Holborn's Glory.** DIAN-17B. 25¢
Very large fls; white and white margin.

—**Hunt's Perfection.** DIAN-17P. 25¢
Auricula-eyed fls; fine.

—**Indian Carpet.** DIAN-17K. 30¢
Dwarf single in bright colors; mixed. ½ Oz. 80¢.

—**Johnson's Diadem.** DIAN-17J. 25¢
Brilliant dark scarlet with large white eye.

—**Newport Pink.** DIAN-17N. 25¢
A beautiful single salmon-rose.

—**nigrescens.** DIAN-17G. 25¢
Dark red with dark lvs. ½ Oz. 75¢.

—**Pink Beauty.** DIAN-17R. 25¢
Charming strain in shades of salmon-pink.

—**Purple Beauty.** DIAN-17L. 25¢
Deep purple; single fls.

—**Scarlet Beauty.** DIAN-17S. 25¢
Brilliant scarlet.

—**Single Dark Crimson.** DIAN-17C. 25¢

—**White Beauty.** DIAN-17W. 25¢

—**Dw. Comp. Single Mix'd.** DIAN-17SX. 25¢

—**Double Mixed.** DIAN-17DX. 25¢

Any of above varieties except as noted: Oz. 60¢; lb. \$4.00.

D. **CARYOPHYLLUS:** The various strains and types of Carnations come under this species. Most are not real hardy in the (IV) zone but can be grown never the less in many gardens with a little protection. Space plants 1 ft. apart and get them started well before winter.

—**Giant Perpetual.** DIAN-12P. 35¢
Clove Pinks. Large flowers in several colors; clove scented; HP.

Chabaud's Carnation: Everblooming Carnations. Sow seed indoors in Jan-Feb; this one of the very best of the Carnations.

—**Cardinal Red.** DIAN-12C. 30¢
Beautiful red shades.

—**Deep Rose.** DIAN-12Z. 30¢

—**Double Rose.** DIAN-12GZ. 30¢
An extra double strain.

—**Jeanne Dionis.** DIAN-12J. 30¢
A pretty pure white variety.

—**Elinceiant.** DIAN-12T. 30¢
Bright scarlet; 90% double.

—**Giants of Nice.** DIAN-12G. 30¢
Robust giants; 90% double.

—**Legion of Honor.** DIAN-12L. 30¢
Salmon-rose.

—**Marie Chabaud.** DIAN-12Y. 30¢
Pure yellow.

- Nero. DIAN-12N. 30¢
Blood-red flowers.
- Rose Queen. DIAN-12Q. 30¢
One of the best rose-colored varieties.
- Ruby. DIAN-12R. 30¢
Dark red.
- Simon's Triumph. DIAN-12SM. 30¢
A beautiful hardy double Carnation in all the best colors; a superior strain. Oz. \$2.50.
- Enfant de Nice, Mixed. DIAN-12E. 30¢
75% true; 90% double; beautiful strain. 1/4 Oz. \$4.00.
- Striped. DIAN-12ES. 30¢
Flowers striped red. 1/4 Oz. \$4.00.

- Teicher's Strain. DIAN-12T. 40¢
Hardy Grenadin Carnations. Extre large flowered, mixed; fine color range; strong stems. Oz. \$5.00.
- Carnation Blend. DIAN-12X. 30¢
A blend of all types of Carnations.

Grenadin Carnations: Hardy border; 15 inches high; for the average grower and garden.

- King of the Blacks. DIAN-12GK. 30¢
Dark velvety brown.
- Rosy Morn. DIAN-12GR. 30¢
Pretty rose.
- Scarlet Morn. DIAN-12GS. 30¢
Best red variety.
- White Queen. DIAN-12BW. 30¢
- Yellow Queen. DIAN-12GY. 30¢
- Striped. DIAN-12GD. 30¢
Red stripes.
- Blend DIAN-12GX. 30¢

D. HEDDEWIGII: Hardy annual Pinks. Very easily grown and they come in some of the prettiest and brightest colors imaginable; they are very showy.

- Fireball. DIAN-13HF. 25¢
Deep scarlet; double. 1/2 Oz. 90¢.
- Gaiety. DIAN-13G. 30¢
Large frilled fls; mixed colors. 1/2 Oz. 90¢.
- Lacinated. DIAN-13HL. 25¢
Lacinated petals; mixed colors.
- Dwarf Single Mixed. DIAN-13SX. 25¢
- Westwood Beauty. DIAN-13WB. 25¢

Margaret Carnations: Considered the most satisfactory Carnation for the average garden. It is early and, except where the winters are severe, it will live 3-4 years; if started early, it will flower the same season.

- Choice Mixed. DIAN-12MX. 25¢
Double flowers. Oz. \$2.00.
- New Giants, Mixed. DIAN-12MNX. 25¢
(Malmaison). Finest mixed. Oz. \$2.00.

Hardy Dwarf Carnations: These are biennial but best treated as annuals and if started early will flower the same season; they are excellent for summer bloom; 15"; double; bright colors.

- Dwarf Vienna, Rose. DIAN-12VZ. 25¢
- White. DIAN-12VW. 25¢
- Mixed. DIAN-12VX. 25¢

Any above Oz. \$2.00.

HYBRID PINKS:

- Sweet Wivelsfield. DIAN-66W. 25¢
Distinct race; various shades; 12"; HP.
- La Bourbrille. DIAN-68B. 25¢
Very dwarf silver mats; pink fls; 12"; HP.

D. PLUMARIUS: Grass or Clove Pinks. This is one of the best species for the border. They grow about 12" high and in both double and single flowers; the singles make a beautiful show in border. They all have a contrasting eye; are real hardy; germinate in 5 days.

- semperflorens.

DIAN-99S. 25¢ true from seed; rose colored fls.

- Florist Perpetual Pinks. Mixed. Oz. 90¢.
- Cyclops. DIAN-99SC. 25¢
Dark rose shades with carmine ring.
- Dwarf Harlequin. DIAN-99DH. 25¢
Single perpetual; very pretty
- White fl. pl. DIAN-99WD. 25¢
- Scoticus., Mixed. DIAN-99S. 25¢
Florist strain in many choice colors and bright eye. Oz. \$2.00.
- Plumarius Mixed. DIAN-99X. 25¢
Oz. \$2.00; lb. \$22.00.

DIANTHUS SPECIES:

- Allwoodii. DIAN-2. 40¢
Hybrids in a good color range; much like Plumarius.
- alpinus. DIAN-5. 30¢
Flowers 1 1/2" ac; stems 2-4" various colors with eye; HP. Oz. \$1.00.
- albus. DIAN-5A. 30¢
- anatolicus. DIAN-6. 35¢
Rose; 1 ft; HP.
- arenarius. DIAN-9. 35¢
Fringed fls; frag; white, cream, pink; 6"; HP.
- atrorubens. DIAN-15. 50¢
A dark red race; Alps.
- caesius: see *D. gratianopolitanus*.
- carthusianorum. DIAN-11. 40¢
Clusterhead. Like Sw. Williams; many colors; 20"; HB.
- tenuifolius. (Schur) DIAN-11T. 50¢
- iristis. DIAN-11R. 40¢
Collected in Bosnia.
- cruenatus. DIAN-43. 50¢
Blood-red terminal fls on 18" stems; HP.
- crinaus. DIAN-40. 35¢
Solitary white fls; 12"; HP.
- deltoides. DIAN-45. 25¢
Maiden Pinks. Small rosy purple fls; turf-like foliage; 6"; HP.
- Bowie's Variety. DIAN-45B. 30¢
Bronze foliage; vivid carmine fls; HP.
- Brilliant. DIAN-45L. 25¢
A brilliant rich rose-pink; 6"; HP.
- erecta. DIAN-45E. 30¢
Crimson fls on short erect stems; fine for RG.; 1/2 Oz. 80¢.
- fragrans. DIAN-50. 30¢
Fragrant rose-white and spotted fls; 18"; Caucasus; HP.
- furcatus. DIAN-53. 50¢
Pretty plant; solitary rose fls; 9"; Italian Alps; HP.
- giganteus. see *D. carthusianum*.
- graniticus. DIAN-58. 40¢
True; fls 1" ac; purple; 6"; Pyrenees; HP.
- gratianopolitanus. DIAN-59. 40¢
Cheddar Pinks. Mat forming; 8"; showy rose; HP.
- graveolens. DIAN-60. 30¢
- Hoppii. DIAN-66. 40¢
White fls tinged pink, deeply lacinated; cushion; HP.
- hyssopifolius. DIAN-67. 30¢
(*D. mompessulanus*). Deeply fringed; fragrant; mixed; HP.
- Kilaubellii. DIAN-70. 40¢
- Knappii. DIAN-71. 30¢
Lemon-yellow; the only yellow Dianthus.
- latifolius. DIAN-73. 30¢
Erect; 12"; rose to dark red; HP.
- Liboschitzianus. DIAN-76. 30¢
White fls; 12"; HP; Caucasus.
- mompessulanus: see *D. hyssopifolius*.
- myrtinervius. DIAN-85. 35¢
Tufted, 2" high; Macedonia.
- neglectus. DIAN-89. 30¢
Glacier Pink. Small crimson-pink fls with lighter eye.
- prolifer. DIAN-101. 40¢
Little carmine-pink fls; small heads; 1 ft; RG; HA.
- Roisii. DIAN-108. 50¢
Showy tufted small Pink; not entirely true from seed; rose colored fls.

- Seguieri.** DIAN-111. 40¢
A variable type of *D. chinensis*.
- squarrosus.** DIAN-117. 50¢
Cespitose; rose fls; Siberia.
- Sternbergia.** DIAN-118. 40¢
Rose and spotted fls; fragrant; Alps; HP.
- subneglectus:** see *carthusianum pumilus*. (11)
- strictus nitiger.** DIAN-119N. 40¢
Small white fls; 10"; HP.
- superbus.** DIAN-125. 30¢
Red fls; excellent for cutting; 24"; HP.
- sylvestris.** DIAN-126. 50¢
Wood Pinks. Rose, 1" ac; 10"; HP; Spain.
- tenuifolius:** see *D. carthusianorum*.
- trifasciculatus.** DIAN-131. 35¢
Clusterhead. Purple fls in dense heads; 2 ft; HP.
- tristis.** DIAN-132. 40¢
Clusterhead. Purple; 16"; HP; Bulgaria.
- Winteri.** DIAN-153. 40¢
Apricot to lemon-yellow; border type; blooms all summer.
- Species Mixed.** DIAN-SX. 40¢
- Mixture of Above.** DIAN-5. 40¢

DIASCIA. (dye-ASS-nee-uh)
Scrophulariaceae. Twin-Spur. Low slender yplants from S. Af. Good for both the border or pot culture; easy.

- Barberae.** DIAS-1. 35¢
Coral-pink, *Nemesia*-like fls with 2 spurs; unusual and most attractive; 9"; HHA.

DICENTRA. (dye-SENT-ruh)
Bleeding Heart. Fumariaceae. Perennials with rose, yellow or white fls in racemes, thriving in a rich light soil.

- chrysantha.** DICN-3. 40¢
Golden Ear-drops. Sulphur-yellow fls; 5 ft; HP; Calif.
- oregana.** DICN-10. 50¢
(*Glauca*) Gray foliage and creamy pink locklets 8"; HP.
- spectabilis.** DICN-13. 40¢
Bleeding Heart. Rosy red fls; 2 ft; HP.

DICRANOSTIGMA.
(die-kray-no-STIG-ma). Papaveraceae.
Plants from Central Asia with orange or yellow fls; best in a light soil

—**Franchetianum.** DICR-1. 25¢
Pretty bright fls, 1" ac; 1 ft; HB; with us it volunteers each spring.

DICTAMNUS. (dik-TAM-nus)
Rutaceae. Gas Plant; Burning Bush; Fraxinella. A garden favorite that makes large clumps with good sized and showy flowers with a strong lemon scent. They dislike transplanting and enjoy a rich soil; seeds germinate very slowly.

- albus.** DICT-1. 25¢
White flowers; HP.
- rubra.** DICT-1R. 35¢
Rosy purple fls.
- purpurea.** DICT-1P. 25¢
A dark flowered variety.

DIDICUS: see *Trachymene*.

DIERAMA. (dye-er-RAY-muh)
Iridaceae. S. Af. cormous plants hardy only in the South (IX); for culture same as *Ixia* or they can be grown under glass in N.

- Hybrids.** DIER-1. 25¢
- pendula.** DIER-2. 30¢
Basal lvs; white to mauve fls in drooping spikes; TBb.
- pulcherrima.** DIER-3. 30¢
Bright purple fls; drooping spikes; 4 ft.
- Mixed.** DIER-X. 25¢

DIETES: see *Moraea*.

DIGITALIS

Scrophulariaceae. Fox Glove. Erect biennials and perennials favorites in the garden. Their stately spikes, 3 ft. high are crowded with thimble-like flowers, beautifully spotted. They are easily grown from seed sown in the spring or up to August for fls the following season.

D. Purpurea: The common Foxglove. It is a biennial and there are many improved forms and varieties being introduced in this species.

- gloxinaeflora.** DIG-1. 25¢
Pink spotted fls, more open than in other forms. ½ Oz. 50¢.
- The Shirley.** DIG-1S. 25¢
A giant hybrid in clear colors; extra choice; 5 ft. ½ Oz. 50¢.
- maculata superba.** DIG-1MS. 25¢
A Holland grown strain.
- monstrosa.** DIG-1M. 25¢
Very large strain in mixed colors for the large border. ¼ Oz. 50¢.
- White.** DIG-1W. 25¢
- purpurea.** DIG-1A. 25¢
A collected type from Austria. Oz. 60¢.
- Mixed.** DIG-1X. 20¢
A mixture of the above.

OTHER SPECIES:

- grandiflora.** DIG-7. 30¢
(*D. ambigua*) Yellow F. 3 ft; fls marked brown; HP.
- laevigata.** DIG-8. 25¢
Yellow marked purple; 3 ft; HP.
- lutea.** DIG-11. 30¢
Yellow fls; 2 ft; HP. ½ Oz. 60¢.
- lutzi.** DIG-12. 25¢
Hybrids in shades of salmon. ¼ Oz. 45¢.
- orientalis.** DIG-18. 35¢
- Thapsii.** DIG-25. 30¢
Purple species with pale throat, dotted red; 4 ft; HP; Spain.
- Species Mixed.** DIG-SX. 25¢

DILLWYNIA.

Leguminosae. Small Heath-like shrubs native of Australia; hardy in (X) zone.

- glaberrima.** DILL-4. 25¢

DIMORPHOTHECA.

(dye-mor-foh-THEEK-uh). Cape Marigold. Compositae.

- sinuata.** DIM-11. 25¢
(*D. aurantiaca*). Orange-yellow marked brown; treat as HHA.
- pluvialis ringens.** DIM-8R. 25¢
Pure white with ring around center.
- Salmon Beauty.** DIM-7S. 20¢
Attractive salmon shades. Oz. \$1.00.
- White Beauty.** DIM-7W. 20¢
Oz. \$1.00.
- Buff Beauty.** DIM-7B. 20¢
Extra dwarf bedding strain. Oz. \$1.50.
- Golden West.** DIM-7GW. 20¢
Golden yellow fls. Oz. \$1.00.
- Orange King.** DIM-7K. 20¢
Ideal dwarf bedding plant; large orange fls. Oz. \$1.00.
- Mixed.** DIM-7X. 20¢

DIOSPYROS.

(dye-OSS-pihr-os)
Trees and shrubs, some with edible fruits and others ornamental. Most species are not hardy in the North.

- Kaka.** DIOS-6. 50¢
Japanese P. Tr to 40 ft; orange fruits, 3" as; orange flesh. Oz. 75¢.
- Lotus.** DIOS-7. 40¢

Date Plum. Tree to 40 ft; Japan. **Oz.**
\$1.00.

—**virginiana.** **DIOS-11.** 30¢
Tr. to 50 ft; orange fruits; (IV). **Oz.** 50¢.

DIPLARRHENA.

Iridaceae. Tender Aust. and Tasm. plants belonging to the Belameanda and Sisyrinchium group.

—**Moraea.** **DIPL-1.** 30¢
2 ft; whitish fls; similar to the Moraeas.

DISANTHUS.

Hamamelidaceae. One species from Japan.

—**cercidifolius.** **DISA-1.** 50¢
Shrub to 20 ft; fls dark purple to 5/8" ac. **Oz.** 75¢.

DISPORUM.

(dis-POH-rum)
Fairly-Bells. Lilaceae. Per. plants found in woods and grown in the wild garden. Flowers are solitary or in umbels, followed by a berried fruit.

—**oreganum.** **DISP-6.** 25¢
Creamy white fls; 2 ft; HP.

DODECATHEON.

(doh-dek-KAYTH-ee-on)
Shooting Stars. Primulaceae. Small Am. perennials with nodding Cyclamen-like flowers in umbels on spikes; best in well drained places with a little shade; they are pretty.

—**Clevelandii.** **DODE-4.** 35¢
Purple fls with yellow base, anthers yellow; S. Calif; 5"; HHP.

—**Cusickii.** **DODE-7.** 30¢
Deep rose to lavender; 1 ft; HP.

—**Hendersonii.** **DODE-11.** 50¢
Pale lavender to crimson; 5"; woodland soil; HP; Wash.

—**Meadia.** **DODE-17.** 50¢
Reddish yellow fls with purple anthers; 6"; HP.

—**pauciflorum.** see **D. vulgare.**

—**radicatum.** **DODE-25.** 30¢
Rose or reddish fls, purple anthers; 5"; HP.

—**vulgare.** **DODE-33.** 50¢
(**D. pauciflorum**). Best Shooting Stars; glowing carmine; 9"; HP.

—**Dodecatheon Blend.** **DODE-X.** 25¢

DODONAEA.

(dod-doh-NEE-uh)

Sapindaceae. Natives of warm regions.

—**cuneata.** **DODO-4.** 25¢
Wedge-leaf Hop Bush. Sh to 6 ft; sandy loam; sun; Australia.

—**viscosa.** **DODO-12.** 50¢
Shrub or small hardwood tr; small greenish fls followed by flat winged seeds; 15 ft; (X); N.Z.

—**Pypisea.** **DODO-12Y.** 40¢
Beautiful autumn tinted tree; hybridized from the native species; N. Z.

—**purpurea.** **DODO-12P.** 50¢
Attractive plant with bright purplish red foliage and showy winged seed of same color; rapid grower; does well in dry spots; 12 ft; (X); N. Z.

DOLICHOS.

(DOL-ik-oss)
Leguminosae. Rapid growing climbing annuals. 10 ft or more, with Wisteria-like fls followed by attractive pods; dislike transplanting; all TA; sow in the spring.

—**chinense.** **DOLC-2.** 25¢

—**Lablab.** **DOLC-4.** 25¢
Hyacinth Bean. Purple or white fls; fast growing climber. **Oz.** 50¢; lb. \$3.25.

—**Princess Helene.** **DOLC-4H.** 25¢
Pure white; large clusters. **Oz.** 55¢.

Small semi-deciduous tree from India small white fls; TTr; (X).

—**enormis.** **DOLC-4E.** 25¢

White Pearl. Very large fruits. **Oz.** 50¢

—**sudanensis.** **DOLC-4S.** 25¢
Purple Sudan Hyacinth Bean. Very decorative. **Oz.** 45¢.

DOLICHOTHELE: see under **Cacti.**

DORONICUMS

Leopard's Band. Compositae. Herbaceous perennials, daisy-like flowers in yellow; it blooms early in the spring; prefers sun and a rich soil; easy.

—**caucasicum.** **DORO-2.** 25¢
Golden yellow; 2 ft; border; HP. 1/4 **Oz.** \$2.00.

—**magnificum.** **DORO-2M.** 30¢
A more robust type with larger heads. 3 ft; HP.

—**cordifolium.** **DORO-5.** 50¢

(**D. Columnae**) Solitary heads; 5"; HP.

—**grandiflorum.** **DORO-6.** 50¢

—**hirsutum. v. glaciale.** **DORO-7.** 50¢

—**Pardalianches.** **DORO-12.** 50¢

4 ft; HP; Europe.

—**Mixed** **DORO-X.** 25¢

DOROTHEANTHUS.

(dor-oth-ee-ANTH-us)

—**bellidiformis.** **DORT-2.** 25¢

Pink, red or white fls; TA.

—**gramineus.** **DORT-4.** 25¢

(**Mesbryanthemum**) Pink, rose, white or red fls; TA.

DOUGLASIA.

(dug-LASS-ee-uh)

Primulaceae.

—**laevigata.** **DOUG-3.** 35¢

Bright red fls; collected 5,000 ft. up Mt. Olympus; HP.

—**montana.** **DOUG-5.** 35¢

Purple or lilac fls; Montana; HP.

—**Mixed.** **DOUG-X.** 25¢

DOVYALIS.

(doh-LASS-ee-uh)

—**caffra.** **DOVY-1.** 40¢

(**D. aberia**) Kei-apple; Ceylon; used for preserves; (IX).

DOWNINGIA.

(down-INJ-ee-uh)

Lobeliaceae. Small plants native of the W. Am; they are nice in the border.

—**immaculata.** **DOWN-2.** 30¢

2-4 inch annual; rich soil; sun; HHA.

DOXANTHA.

(doh-ANTH-ah)

—**Unguis-cati.** **DOXA-1.** 50¢

(**Bignonia Tweediana**) Cat's Claw. GH; bright yellow fls 4" ac; (VI). 100 seeds \$1.50

DRABA.

(DRAY-buh)

Cruciferae. Annuals, biennials and perennials; flowers are small and dainty, in white, rose, yellow or purple, in terminal racemes; they are very hardy and excellent in the rockery; if sown late in the fall they germinate quickly in the spring.

—**aizoides.** **DRAB-1.** 30¢

Tufted plant; basal rosettes; yellowish fls; 4 inches; HP.

—**pyrenaica:** see **Petrocallis pyrenaica.**

—**Draba Mixed.** **DRAB-X.** 40¢

DRACAENA.

(dras-SEEN-uh)

—**Draco.** **DRAC-4.** 50¢

Dragon Tree. To 60 ft; (IX). c. s. **Oz.** 75¢; lb. \$4.00.

—**indivisa:** The greenhouse Dracaena—see **Cordylina indivisa.**

DRACOCEPHALUM.

(dray-koh-SEF-ah-um). Dragonhead. Labiatae. Hardy annuals and perennials with blue, purple or white flowers in whorls; they make pretty groups in moist shady spots in the border; easy from seed.

—**diothiocum.**

DRPH-6. 30¢

Erect bushy HA carrying many spikes of long-lasting violet-blue fls; foliage lemon scented; July-Sept; 1-2 ft; space 1 ft.

—**dostria.**

DRPH-7. 25¢

—**Forrestii.**

DRPH-8. 35¢

Blue-purple fls in whorles; 18"; HP; China.

—**Moldavica.**

DRPH-14. 25¢

Unusual and easily grown HA, with aromatic, balm-scented fol; bright lavender blue fl-spikes; loved by bees; 2 ft. Oz. \$1.00.

—**rupestre.**

DRPH-20. 35¢

—**Ruyschiana.**

DRPH-21. 50¢

Blue fls; 2 ft; HP; Siberia.

—**tanguticum.**

DRPH-26. 50¢

Blue fls, 1" long; Mongolia; 2 ft; HP.

—**Dracacephalum Mixed**

DRPH-X. 25¢

DRACUNCULUS.

(dray-KUNK-yew-lus)

Araceae. Tuberous plants native of the Medit. regions; grown in the South or in the GH in the North.

—**vulgaris.**

DRAK-4. 25¢

Hardy to (V) zone in sheltered places.

DROSERA.

(DROSS-er-uh)

Sun-dew. Droseraceae. They can be grown under glass; muddy loam and sphagnum is good soil; native of swamps.

—**filiformis.**

DROR-1. 30¢

Bright purple fls interesting for terrarium; sow in early spring in sand and peat.

DRYAS.

(DRY-as)

Rosaceae. Mountain Avens. Dwarf evergreen prostrate plants for the rockery; very hardy in well drained porous soils.

—**octopetala.**

DRYA-5. 30¢

White fls, 1½" ac; erect; HP.

—**minor.**

DRYA-5M. 50¢

A very dwarf form; RG.

DUCHENSEA.

(dew-KEES-nee-ah)

Indian or Mock Strawberry. Rosaceae. Perennials fro Asia; trailing branches; flowers yellow followed by fruits; used as a ground cover or in hanging baskets.

—**indica.**

DUCH-1. 30¢

Very decorative; fruits look like Strawberries.

DURANTA.

(dew-RANT-uh)

—**repens.**

DURA-3. 50¢

Pigeon Berry; Sky-Flower. Tree to 18 ft; (X). Oz. \$1.00.

—**variegata.**

DURA-3V. 40¢

With variegated foliage.

DYCKIA.

(DIK-ee-uh)

Stemless succulents, in basal rosettes and with yellow or orange flowers in racemes or panicles; planted outdoors in far South.

—**sulphurea.**

DYCK-6. 30¢

Yellow fls, ½ inch long; 1 ft; Brazil; TP.

EBENOPSIS.

(eb-en-OP-sis)

Leguminosae. Sub-tropical trees and shs; suitable for mild sections of the country.

—**flexicaulis.**

EBEN-1. 30¢

Texas Ebony. Tree or shrub; fragrant yellow fls; S. Texas.

ECCREMOCARPUS.

(e-krem-oh-KAHR-pus) Glory-Flower. Bigoniaceae. Climbing shrubs from Chila; tubular fls, yellow, orange or scarlet in terminal racemes followed by fruits. Grow it as a tender annual in the North, but it is a perennial in the South.

—**scaber.**

ECCR-1. 30¢

Orange-red fls; start early; warm situations; 12 ft.

—**aureus.**

ECCR-1A. 30¢

Golden yellow flowers.

ECHEVERIA.

(ek-ev-VEER-ee-uh)

Crassulaceae. American succulent plants with broad leaves in rosettes and flowers in spikes, racemes or panicles; culture as with Sempervivums.

—**agavoides.**

ECHI-6. 50¢

Lvs densely umbricated, 2" long; corolla cone-shaped, reddish with yellow tips; Mex

—**carnicolor.**

ECHI-28. 50¢

Lvs in dense rosettes, 2" long, tinged red; fls bright red; Mex.

—**Derenbergii.**

ECHI-47. 50¢

Lvs in rosettes, 1" wide, grayish white, red margins; reddish yellow fls; Mex.

—**elegans.**

ECHE-50. 30¢

Stemless; very succulent; pinkish fls, with white tips. 250 seeds \$1.50.

—**glauca.**

ECHI-65. 50¢

Fls pinkish, yellow inside; Mex.

—**Peacockii.**

ECHI-47. 50¢

Lvs 2" long reddish at tops; bright red fls; Mex.

—**setosa.**

ECHI-161. 50¢

Red fls tipped with yellow; Mex.

—**Mixed.**

ECHI-X. 50¢

Many species mixed. 1,000 seeds \$4.00.

ECHINACEA.

(ek-i-NAY-she-ah)

Cone Flower. Crassulaceae. Native per. closely related to Rudbeckia; bushy growth and daisy-like flower heads, often 6" across; they are fine in the border and for cutting, blooming for 2 months. They thrive in rich sandy loams in dry places.

—**angustifolia.**

ECHI-1. 30¢

Showy plant for dry border; rose to purple fls; 3 ft; HP.

—**purpurea.**

ECHI-4. 25¢

Purple Coneflower. Purple cones; 5 ft; HP.

—**Earliest of All.**

ECHI-4E. 25¢

A nice new variety; very early.

—**Mixed.**

ECHI-X. 20¢

ECHINOCEPHEUS: see under Cacti.

—**Mixed Echinocereus.**

ECHO-X. 40¢

ECHINOPS.

(EK-in-ops)

Globe Thistle. Compositae. Thistle-like biennials and perennials with flowers in round heads. They are decorative in the border and easily grown from seed.

—**exaltatus.**

ECHN-4. 20¢

(E. Ritro) Steel-blue fls; 2 ft; good everlasting fls; HP. Oz. 50¢; lb. \$4.00.

—**ruthenicus.**

ECHN-7. 30¢

A form of E. exaltatus.

—**sphaerocephalus.**

ECHN-8. 30¢

Tall; 6-8 ft; heads 2" ac; HP; (V). Oz. 50¢.

—**Mixed.**

ECHN-X. 20¢

ECHINOCACTUS: see under Cacti.

ECHNOCEREUS: see under Cacti.

NATIVE FLOWERS

Do you have a popular native growing in your neighborhood We would like to have you write us and to collect the seed.

ECHIUM

Viper's-Bugloss. Boraginaceae. Annuals, biennials and perennials thriving in rather poor soil and sunny spots. Flowers are in blue, purple, rose or white, in coiled racemes. They are warm region plants and are grown out doors in the far South. *E. vulgare* is a fine bee food in waste places.

—**Bourgaeaenum.**

Shrub to 10 ft; (IX). Oz. 65¢.

—**fastuosum.**

Shrub; 6 ft; dark blue fls; red stems; (VIII). 100 seeds \$1.00; 1,000, \$3.75.

—**Dwarf Hybrids.**

Mixed blue, lavender and rose shades flowering for months; 1 ft; HA.

—**plantagineum.**

Blue and light purple fls; HA or HB; 3 ft.

—**pomponicum.**

Red fls in narrow panicles; 3 ft; HB. 100 seeds \$1.00; 1,000, \$5.00.

—**vulgare.**

Blue Weed. For bee food on poor soil; HA. Oz. 50¢; lb. \$1.75.

—**Blue Bedder.**

Very compact, bright blue fls; 1 ft; HA.

—**Mixed.**

—**EDRA-12. 25¢**

—**EDRA-12B. 25¢**

—**EDRA-X. 20¢**

EDRAIANTHUS.

(ed-er-AN-thus)

Campanulaceae. Low tufted perennials from the Balkin regions and related to *Wahlenbergia*. Good RG plant; 6-12" ac; easily grown from seed.

—**Mixed.**

—**EDRA-X. 35¢**

EHRETIA.

(er-RET-te-ah)

Boraginaceae. Tropical trees and shrubs suitable for the far South. They are interesting and ornamental.

—**laevis.**

—**EHRE-3. 35¢**

EKEBERGIA.

—**capensis.**

Dark green lvs; evergreen; 35 ft; S. Af.

—**EKEB-3. 50¢**

ELAEOCARPUS.

(el-ee-oh-KARP-us)

Elaeocarpaceae. Trees native of warm regions; hardy in (X) zone

—**dentatus.**

Tree to 60 ft; leathery lvs; white fls, ½" ac, drooping; purplish gray fruits; (X); N.Z

—**ELAR-5. 40¢**

ELAEAGNUS.

(el-ee-AG-nus)

Elaeagnaceae. Ornamental small trees and shrubs. They are hardy and easily grown in any well drained soil; stratify the seed, if possible and sow in the spring or they can be sown in late fall.

—**angustifolia.**

Russian Olive. (III). d.b., 50¢ lb; c.s. lb. \$1.60.

—**commutata.**

Silver Berry. 12 ft. c.s. Oz. 40¢; lb. \$2.50.

—**umbellata.**

—**ELAC-15. 40¢**

ELAEIS.

—**guineensis.**

African Oil Palm. Grown in far S for ornament; valuable for its oil-bearing fr. 100 seeds \$5.00; 1,000, \$30.00.

—**ELAS-1. 50¢**

NOTE: Usually Palm seeds are best when fresh; if you need them in any quantity it is always best to book ahead; it will not be necessary to remit with the order.

ELAEODENDRON.

(el-ee-oh-DEN-dron)

—**capense.**

Evergreen shrub; grown in GH; (X). 100 seeds 95¢.

—**ELAO-1. 50¢**

ELSHOLTZIA.

(el-SHOLT-see-uh)

Labiatae. Plants and shrubs having dense spikes of small blue or lilac fls; sunny spots to get flowers; sow in the spring.

—**Stauntonii.**

Shrub to 5 ft; fls lilac-purple, in dense 1-sided spikes, 8" long; SEPT-OCT; (IV); N. China.

—**ELSH-7. 25¢**

EMBOTHRIUM.

—**coccineum.**

Shrub; scarlet fls; (IX). 100 seeds \$2.00.

—**EMBO-1. 50¢**

EMILIA.

(em-MILL-ee-uh)

Tassel-Flower. Compositae. Annuals and perennials of low neat habit; native of the tropics. The slender stems are tipped by small rayless many colored heads surrounded by white bristles; grow as a TA in the N; sun; fls July till frost; they were formerly listed under *Cacalia*.

—**sagittata.**

Fls ½" ac; in loose corymbs; 2 ft; TA.

—**EMIL-1X. 25¢**

—**coccinea.**

Small red flowered variety.

—**EMIL-1C. 25¢**

—**aurea.**

Golden yellow variety.

—**EMIL-1Y. 25¢**

—**lutea.**

Orange floweres.

—**EMIL-1G. 25¢**

—**Emilia or Cacalia Mixed.**

—**EMIL-X. 20¢**

ENCELIA.

(en-ESEL-ee-uh)

—**calva.**

Perennial to 2 ft; yellow Aster-like fls; hardy in dry soils; RG. Oz. 70¢.

—**ENCE-3. 30¢**

ENKIANTHUS.

(en-ke-AN-thus)

Hardy deciduous shrubs native of Asia. They are of attractive upright growth with long slender clusters of nodding flowers in the spring. They thrive in moist, light soils with peat or leaf mould; easily grown from seed; fairly hardy in the North; (Eriacaceae).

—**perulatus.**

(*E. campanulata*) Urn-shaped fls; 6 ft; white. Oz. \$1.50.

—**ENKI-7. 75¢**

ENTELEA.

(n-tel-EE-ah)

One large-leaved shrub; to 20 ft; N. Z.

—**arborescens.**

Attractive vigorous growing sh; Mulberry shaped lvs; beautiful white fls; very handsome; 10 ft; (XI); N. Z.

—**ENTE-1. 50¢**

ENTEROLOBIUM.

—**Timbouva.**

Elephant's Ear. (X). 100 seeds \$1.50.

—**ENTR-3. 50¢**

EPIDENDRON.

(ep-id-DEN-dron)

Orchidaceae. Eypiphytic tropical American Orchids. grown same as *Cayttleyas*.

—**radicans.**

Crucifix Orchid. Terminal racemes of many vermilion colored fls 1" across.

—**EPID-44. \$1.00**

EPILOBIUM.

(ep-il-LOH-bee-um)

Hardy plants suitable for damp places or in the wild garden.

—**angustifolium.**

Fire Weed. Purple fls 1" ac in terminal racemes; 8 ft; HP.

—**EPIL-4. 30¢**

—**rigidum.**

Rare; RG; 1 inch high; vivid rose-pink fls; pretty 4" mats; HP.

—**EPIL-28. 50¢**

EPOSTOA: see under *Cacti*.

If you want some pretty colored Corn you should grow the Saier Strain of Rainbow Corn; just about every color!

ERANTHIS.

(ee-RAN-this)

Winter Aconite. Ranunculaceae.

Small tuberous rooted hardy perennials with bright Buttercup-like flowers and whorls of shiny leaves in early spring, flowering with the Snowdrops. They are very pretty and some should be in every RG or border. Bulbs can be had in the fall. See Bulb List.

—**hyemalis.**

Golden yellow fls, 1½" ac; 6 inches high.

—**cilicia.**

Has broader sepals.

ERAN-1. 30¢**ERAN-1C. 30¢****EREMURUS.**

(er-ee-MEU-rus)

Desert Candle; Foxtail Lily. Lilaceae. Spectacular plants up to 8 feet high, clothed for half their height with close-set starry blooms that lasts for several weeks. Thrive in a rich fibrous well drained soil having some sand; sunny places; seedlings develop slowly; hardy in the N with winter protection; cover with leaves and a water-tight box placed over them to shed winter rains. Do not hoe soil; roots run far out from plant; sow seed in fall to germinate in February.

—**Elwesii.**

Pink fls with deeper band down center; 3 ft; HHP.

—**Hybrids.**

Seed saved from yellow shades.

EREM-6. 50¢**EREM-6Y. 25¢****ERICA.**

(ER-i-kah)

One of the Heathers; evergreen shrubs, very attractive for mild climates. Needle-like leaves; lime-free soil. A few are hardy in Zone (IV) with some protection; they also make beautiful pot-plants for the GH; use fibrous peat and coarse sand in potting.

—**australis.**

Purplish red fls in terminal clusters; 4 ft; spring bl; HHP.

—**capensis Varieties Mixed.**—**Springwood White.**

9 in. high; good white.

—**praecox rubra.**

A pretty deep red; 6"; HHSh.

—**Red.**

Twisted Heather; red fls; 12". Oz. 70¢.

—**White.**—**vivellii.**

Lavender-red fls; 9 inches; HHSh.

—**cinerea alba.**

Twisted H. White fls; June-Aug; 2 ft.

—**afrosanguineum.**

Blood-red fls; July-Aug; 2 ft; HHSh.

—**Rose Queen.**

Rose-pink fls; July-Aug; 9-12"; HHSh.

—**mediterranean Mixed.**—**W. F. Rackliff.**

Large flowering white; Jan-March; 1 ft.

—**alba.**

Dwarf form; 10 inches; white fls.

—**Tall Form.**

2-3 ft; white flowers.

—**subdivaricata.**

Rose or white fls; 2 ft; fls in racemes;

S. Africa.

—**terminalis.**

Pink fls; 3-5 ft; HSh.

—**persoluta** see **E. subdivaricata.**—**umbellata.**

Flesh to rose-pink in terminal umbels;

3 ft; HHSh.

—**Veitchii.**Hybrid between **E. aborea** and **Lusitanica**;

white flowers.

—**Erica Mixture.****ERIC-56. 50¢****ERIC-57. 30¢****ERIC-60. 30¢****ERIC-X. 25¢**

It is more important to have your full name and address on your ORDER than on envelope — always make it complete.

ERIGERON

Annuals and perennials resembling wild Asters; in white, rose or violet ray-flowers. They are easy to grow in the border or wild garden; a few are nice RG plants; (Compositae).

—**aurantiacus.**

Double orange Daisy. 1-2 inch heads; 10 inches high; HP.

—**compositus.**

Rays white or purplish; 2 in. high; HP.

—**concinus.**

Small blue fls; May-August; easy; HP.

—**Coulteri.**

Large white flowered species; moist woods; 10"; HP.

—**glabellus.**

Violet or purple rays, 2" across; 15"; HP.

—**lusitanica.**

Pink or white fls; 12 ft. shrub.

—**mucronatus** see **Karvinskianus.**—**macranthus.**

Lilac-purple; 30"; fine clumps in border; HP.

—**multiradiatus roseus.**

Rose fls, 3" ac; 1 ft; HP.

—**salsuginosus.**

Large blue fls, 2" ac; 1½ ft; very hardy.

—**speciosus.**

Dark violet; 2 ft; HP.

—**Karvinskianus.**

Blooms first year from seed; ; white rays; 18", decumbent; border; Mexico.

—**Erigeron Mixed.****ERIG-6. 30¢****ERIG-17. 30¢****ERIG-18. 30¢****ERIG-20. 30¢****ERIG-27. 30¢****ERIG-36. 40¢****ERIG-40. 30¢****ERIG-44. 30¢****ERIG-55. 30¢****ERIG-57. 30¢****ERIG-35. 50¢****ERIG-X. 25¢****ERIN-1. 30¢****ERIN-1A. 30¢****ERIN-1H. 30¢**

Carmine-red and comes true from seed; 3"; HP.

This is the most complete Seed Catalog published any where in the world. Seeds are offered from almost every country.

ERIOBOTRYA. (ee-ree-oh-BOT-ree-ah)

Loquat. Rosaceae. Asian evergreen trees and shrubs; ornamental; (X).

—**japonica.**

Ornamental pot plant in North; out doors in (IX) zone.

ERIOGONUM.

(ee-ree-GOH-num)

Polygonaceae. Natives of western U.S., requiring a well drained peaty soil and a sunny position; fine for the rockery.

—**flavum Piperi.**

Yellow fls; 8"; April-May; HP.

—**Jamesonii.**

Gray-white mounds; white to rose flower heads; 6"; HP.

—**microthecum.**

White or yellow flower heads; poor soil; 1 ft; HP.

—**nudum.**

Bright yellow flower heads; dry soil; RG; sun; 3-6 inches; HP.

—**ovalifolium.**

Tufted; white to red flower heads; dry soil; RG; 4 inches high; HP.

—**pyrolaeifolium.**

White or pinkish fls; 2½ ft; HP; Colo.

—**racemosum.**

White or pinkish fls; 2½ ft; HP; Colo.

—**subalpinum.**

Sulphur Plant. Yellowish white heads; May-June; 1 ft; HP.

—**Eriogonum Mixed.****EGON-9. 30¢****EGON-15. 40¢****EGON-17. 30¢****EGON-20. 30¢****EGON-23. 30¢****EGON-27. 30¢****EGON-30. 50¢****EGON-32. 30¢****EGON-X. 25¢**

ERIOPHYLLUM.

(ear-ee-oh-FILL-um)

Compositae. Annuals and perennials of Western U.S.. Flowers yellowish ray and disks; grown in dry places.

—**intergrifolium.**

ERIO-4. 30¢
Small Oregon Sunshine. Showy; May-Aug; 1 ft; HP.

—**lanatum.**

ERIO-6. 30¢
Oregon Sunshine. Golden daisies; dry places; 12"-18"; HP.

—**lanceolatum.**

ERIO-8. 30¢
Grows on hot rocks in crevices; 2-4 in; a real gem; good though subject.

—**Eriophyllum Blend.**

ERIO-X. 25¢

ERODIUM.

(ee-ROyH-dee-um)

Heron's-bill. Geraniaceae. Annuals and perennials suitable for the RG or border; best in gritty loam with some lime; sunny location; they have a long blooming period.

—**absinthioides.**

EROD-1. 50¢
(olympticum). Violet fls, ¾" ac; 8"; HP.

—**gruinum.**

EROD-15. 25¢
Violet-blue fls; 18"; HA or HB; Persia.

—**supracranum.**

EROD-28. 50¢
Pink lined with rose; lvs basal; 4"; HP.

ERYNGIUM.

(e-RIN-je-um)

Umbelliferae. Sea Holly; Eryngo. The pretty steel-blue or gray foliage of the larger species is most attractive in the border and the smaller kinds for the rockery. Some species make excellent cutflowers which can also be dried. Best in light rich soil and an open sunny place; most species are perennial; best to sow seed in the late fall to germinate in the spring.

—**alpinum v. superbum.**

ERYN-2S. 35¢
Light blue; June-July; germinates best in light; HP.

—**giganteum.**

ERYN-9. 30¢
Blue or pale green fls; 6 ft; HP. ½ Oz. 70¢

—**Bourgatii.**

ERYN-6. 25¢
Blue flower heads; 1½ ft; Medit.

—**Leavenworthii.**

ERYN-11. 35¢
(Eringo) Purple-violet flower heads; July-Oct; dry sunny places; showy; 1-2 ft; HP. ½ Oz. 80¢.

—**planum.**

ERYN-16. 30¢
Verv ornamental; sky-blue fls, ½". long heads; 3 ft; HP. ½ Oz. 70¢.

—**Eryngium Mixed.**

ERYN-X. 25¢

ERYSIMUM.

(e-RIS-im-um)

Blister Cress. Cruciferae. These closely resemble Wallflowers; flowers white, yellow or lilac. They thrive in a sunny exposure; easy to grow. Most are excellent for the rockery and the biennials and perennials are hardy; sow where they are to grow.

—**asperum.**

ERYS-1. 30¢
(Allionii) Dwarf compact, deep orange; 1 ft; HA.

—**Orange Queen.**

ERYS-1Q. 30¢
A very pretty orange variety; HA.

—**Golden Bedder.**

ERYS-1G. 30¢
New; golden yellow; 1 ft; HA.

—**linifolium.**

ERYS-13. 30¢
Low clumps; lilac fls; 1 ft; HP.

—**murale.**

ERYS-14. 30¢
Golden yellow fls in racemes; HB but grow as HA; 20 inches high.

—**Perofskianum.**

ERYS-20. 30¢
Blister Cress. Orange-ypellow fls; HA; Oz. 75¢.

—**pulchellum.**

ERYS-22. 50¢
Deep orange fls; 6-24 inches; cespitose; HP; Greece.

—**pumilum.**

ERYS-23. 50¢
Sulphur-yellow fls; 6"; HP; Europe.

—**Wittmanii.**

ERYS-30. 30¢

—**Erysimum Mixed.**

ERYS-X. 25¢

ERYTHEA.

(ehr-THEE-ah)

Mexican Palms of low growth and planted in the far South; germinates in 70 days.

—**armata.**

ERYH-1. 50¢
(Brahea glauca) Mexican Blue Palm; (X). 10 seeds 50¢; 100, \$3.00; 1,000, \$12.00.

—**Roezii.**

ERYH-1H. 50¢
Mexican Blue Palm. to 40 ft; sometimes listed under Brahea. 100 seeds \$1.50; 1,000, \$8.00.

—**edulis.**

ERYH-3. 50¢
(Brahea edulis) Guadelupe Palm; (X). 100 seeds \$4.00; 1,000 \$9.50.

ERYTHRINA.

(ehr-ith-RYE-nuh)

Coral Tree. Leguminosae. Trees and sh. grown in the South; showy red and reddish or yellowish flowers followed by long pods. The herbaceous kinds ore grown under glass.

—**Corallodendron.**

ERTH-4. 30¢
Tree to 20 ft; pretty scarlet fls; Columbia.

—**Cristi-gallii.**

ERTH-5. 50¢
(Blakii) Coral-Tree. Crimson fls; showy; (X). 100 seeds \$2.00; 1,000, \$9.00.

—**humeana.**

ERTH-12. 30¢
Collected in South Rhodesia.

—**indica.**

ERTH-11. 30¢
Tall tr with dense short racemes of scarlet flowers; pretty.

—**alba.**

ERTH-11A. 35¢
White flowered form; good shade tree.

—**tomentosa.**

ERTH-22. 35¢
Collected in Columbia.

—**Erythrina Mixed.**

ERTH-X. 25¢

ERYTHRONIUM.

(er-i-THROH-ne-um)

Trout-Lily, Adder's Tongue. Liliaceae. Early spring blooming bulbous plants with graceful nodding flowers and often richly mottled leaves; they are nice in the rockery or wild garden for a part shaded nook; rich light soil, mulched in the winter with leaves.

—**citrinum.**

ERYT-5. 35¢
Lemon-yellow to white; Ore-Cal; 8"; HP.

—**grandiflorum.**

ERYT-7. 25¢

—**Hendersonii.**

ERYT-9. 35¢
Purple fls; mottled lvs; 1 ft; HP.

—**oregonum.**

ERYT-20. 30¢

ESCHSCHOLZIA

Papaveraceae. Western N. Amer. natives with showy yellow flowers; grow as annuals; plant early in the spring.

SINGLE FLOWERED VARIETIES: Very showy in masses; all 50¢ per Oz. lb. \$3.00.

—**Carmine King.**

ESCH-1C. 20¢
This is the best carmine variety.

—**Dainty King.**

ESCH-1D. 20¢
Dainty, pretty soft pink; beautiful.

—**Dazzler.**

ESCH-1L. 20¢
Erect, compact; flashing scarlet; showy.

—**Golden West.**

ESCH-1G. 20¢
One of the best bright yellows; with an orange center.

—**Mandarin.**

ESCH-1M. 20¢
Inside petals orange; outside scarlet.

—**Mikado.**

ESCH-1K. 20¢
A very showy orange-crimson.

—**Orange Flame.**

ESCH-1F. 20¢
Vivid orange-scarlet; showy in masses.

—**Orange King.**

ESCH-1R. 20¢
A very showy orange.

—**Rose Cardinal.**

ESCH-1N. 20¢
A beautiful carmine-pink.

—**Scarlet Beauty.**

ESCH-1S. 20¢
Probably the best scarlet variety.

—**Tango.**

ESCH-1T. 20¢
Bronzy red and terra cotta.

—**The Geisha.**

ESCH-1H. 20¢

- Brilliant gold and crimson; showy.
—Vesuvius. ESCH-IV. 20¢
 Showy Wallflower-red.
—White Emperor. ESCH-1W. 20¢
 The best pure white.
—Red Chief. ESCH-1RC. 20¢
 A real fiery red color.
—Blend of Above Varieties. ESCH-1X. 20¢
 Any of above varieties: Oz. 50¢.

CALIFORNICA FL. PL: Double flowering. All \$1.00 per ounce.

- Creamy Crinkles.** ESCH-3A. 20¢
 Apricot-buff; a real showy variety.
—Flambeau. ESCH-3F. 20¢
 Rich orange-scarlet.
—Golden Glory. ESCH-3G. 20¢
 Deep golden orange-yellow. orange center; pretty.
—Robert Gardiner. ESCH-3R. 20¢
 A showy orange.
—Sunbeam. ESCH-3B. 20¢
—Sweetheart. ESCH-3S. 20¢
 Rose on a cream ground; pretty.
—Mixed Doubles. ESCH-3X. 20¢
 Any above varieties: Oz. \$1.20.

ESPOSTOA: see in List under Cacti.

EUCALYPTUS

Gum Trees. Myrtaceae. Rapid growing evergreen trees of warm regions; some are profuse bloomers and make a valuable source for honey; they are very ornamental trees. Sow seeds early in the summer, cover with lath shade and transplant following year.

- botryoides.** EUCA-22. 50¢
 Bangalay. One of the best shade and ornamental Gums; wide spreading tr. to 50 ft; good coast tree.
—caesia. EUCA-26. 50¢
 Lovely deep pink fls; nearly ever-blooming in spring; needs good drainage; 20 ft.
—calophylla. EUCA-27. 50¢
 Port Gregory Gum. Pink, red or pure white fls; 30 ft. Oz. \$2.00.
—camaldulensis. EUCA-30. 40¢
 (Syn. rostrata) River Red Gum. Strong grower for deep soils; 60 ft. Oz. 90¢.
—capitellata. EUCA-36. 50¢
 A fast growing tr; 50 ft; white fls.
—cinerea. EUCA-38. 50¢
 Fine ornamental shade tree in cooler sections; silvery foliage; 20 ft.
—citriodora. EUCA-40. 50¢
 Lemon Scented Gum. 30 ft.
—cladocalyx. EUCA-43. 50¢
 Sugar Gum. Fine fast growing street tr; good for windbreaks; 50 ft.
—cosmophylla. EUCA-54. 50¢
 Cup Gum. Lovely cream or yellow fls; very pretty in bud; effective as cutflowers; 25 ft; S. Australia.
—crucis. EUCA-56. 50¢
 Silver Mallee. Ideal border plant; dry places; white frosted stems, buds and lvs; 8 ft.
—dives. EUCA-65. 50¢
 A valuable tree for distillation purposes; 40 ft; Aust.
—erythronema. EUCA-74. 50¢
 One of the finest of the Gums; handsome small tree from W. Aust; large brilliant red flower buds and deep yellow fls; 20 ft.
—eugenioides. EUCA-79. 75¢
 White String-bark. Fine coast and forestry tree; 50-75 ft; Aust.
—ficifolia. EUCA-81. 50¢
 Scarlet Flowered Gum. 30 ft; fls 1½ in. long; in panicles; pink-scarlet.
—globulus. EUCA-110. 50¢
 Tasmanian Blue Gum. Handsome foliage; suitable for GH growing and summer bedding; (IX); try starting seeds in flats

- during June; 3 ft upwards; HHS. Oz. \$1.00.
—gomphocephala. EUCA-112. 40¢
 A tall valuable timber tree for coastal areas with light soils; 50-100 ft.
—Gunni. EUCA-122. 40¢
 Effective street tree for sandstone areas; 40 ft.
—haemastonia. EUCA-124. 40¢
—leucoxylon. EUCA-154. 50¢
 White Iron-bark. Good, fast growing tr; white fls; does well in medium dry soils; 60 ft.
—longifolia. EUCA-160. 50¢
 Woolly Tree. Large spreading tr for deep soils; 50 ft.
—maculata. EUCA-172. 40¢
 Spotted Gum. Fast growing timber tr for mountain or coastal areas; 60 ft.
—macarthurii. EUCA-164. 50¢
 Spreading tree; source of a valuable perfume; 50-75 ft.
—macrocarpa. EUCA-166. 50¢
 Coolgardie Rose. Largest flowered of all the Eucalyptus; brilliant red fls up to 5" across; decorative seed vessels; shelter from winds; good drainage; dry places; large glaucous lvs; 10 ft.
—macrorrhyncha. EUCA-168. 50¢
 String-bark. Good tree for dry places; 50 ft.
—Maidenii. EUCA-175. 50¢
 Fine Aust. tree for mountain and slope areas; 50-100 ft.
—marginata. EUCA-176. 50¢
 Jarrah. Valuable W. Aust. timber tree for coast; 50-100 ft.
—melliodora. EUCA-182. 50¢
 Yellow Box. Attractive fast growing shade and honey tree; 60 ft.
—oblipua. EUCA-200. 50¢
 Messmate. Tall tree best in rich soils; coasts or slopes; 05-200 ft.
—occidentalis. EUCA-203. 50¢
 W. Australian tree for clayey loams; 50-80 ft.
—paniculata. EUCA-220. 50¢
 Large Australian tree for coast or slopes.
—pilularis. EUCA-224. 50¢
 Black-butt. Tall straight tree for slopes and coastal areas.
—piperita. EUCA-225. 50¢
 Stringy-bark. Small to medium tr; rather spreading habit; white fls.
—podalyriaefolia. EUCA-227. 40¢
—polvanthemos. EUCA-229. 50¢
 Red Box. Spreading and very floriferous ornamental tr for inland areas; 40 ft.
—Preissiana. EUCA-231. 50¢
 One of the W. Aust. flowering Gums; large golden yellow fls; coasts or slopes; 8-10 ft.
—pyriformis. EUCA-236. 50¢
 Large red fls, 4" ac; golden anthers; very pretty sh; give shelter; 10 ft.
—resinifera. EUCA-244. 50¢
 Large tree for light sandy soils on coasts. ½ Oz. 75¢.
—rostrata: see E. camaldulensis.
—rudis. EUCA-250. 50¢
 Spreading Australian tree; 50 ft.
—saligna. EUCA-252. 40¢
 Tall shaft-like tr for mt. or coast; 60 ft.
—sideroxylon. EUCA-269. 50¢
 Iron-bark. White fls; 50 ft. gray leaves.
—Stowwardii. EUCA-284. 50¢
 Large yellow fls; dwarf; sandy soil; 8 ft.
—Stuartiana. EUCA-288. 50¢
 Apple Box. Spreading tr; 50 ft.
—tereticornis. EUCA-290. 50¢
 A fine tall tree.
—viminalis. EUCA-310. 50¢
 Ribbon Gum. Good shade tree for parks; mountain; 80 ft.

PRINT THE SYMBOLS WHEN ORDERING

EUCOMIS.

(YEW-kom-iss)

Liliaceae. S. Af. bulbous plants with basal leaves in rosettes. Easy in warm climates or a GH subject in the North.

—**cymosa.** **EUCO-2. 35¢**
Pineapple Flower. 2 ft; fls green; lvs are ornamental; resembles green Pineapple.

—**punctata.** **EUCO-2P. 40¢**
Pineapple Flower. Greenish fls; lvs 2 ft. long, 3" wide, spotted brown beneath; S. Af; GH or (VIII).

—**undulata.** **EUCO-8. 30¢**
Greenish fls, ¾" ac in dense racemes.

EUGENIA.

(yew-JEEN-ee-ah)

Myrtaceae. Tropical evergreen shrubs and trees. They are favorite subjects in the far South for their ornamental flowers and foliage as well as edible fruits; easily grown.

—**uniflora.** **EUGE-26. 30¢**
Surinam Cherry. Sh. to 25 ft; white fragrant fls; fruit edible; TSh.

—**myrtifolia:** see **E. paniculata v. australis.**

—**paniculata australis.** **EUGE-26A. 40¢**
A more bushy small tree; white fls; fruits excellent for jelly; Australia.

EULALIA japonica: see **Miscanthus sinensis.** A hardy ornamental grass.

EUONYMUS.

(yu-ON-ee-mus)

Spindle Tree. Celastraceae. Shrubs and small trees with attractive foliage and showy fruits in the fall; easily grown and not particular as to soil. Best to sow seed as soon as harvested in the fall to germinate in the spring.

—**alatus.** **EUON-1. 50¢**
Deciduous sh; 8 ft; purplish fruits; China. **Lb. \$2.00.**

—**atropurpureus.** **EUON-3. 30¢**
Wahoo; Burning Bush. Celastraceae. Shs to 20 ft; scarlet fr; hardy; (IV).

—**intermedia.** **EUON-3T. 30¢**
With bright red fruits.

—**europaeus.** **EUON-40¢**

—**japonicus.** **EUON-15. 30¢**
Evergreen sh; 15 ft; (V). **Lb. \$2.25.**

—**Mixed.** **EUON-X. 25¢**

EUPATORIUM.

(yew-pat-TOH-ee-um)

Thoroughwort; Boneset. Compositae. A large genus with ornamental greenhouse subjects; some are for the border or wild garden. They are all easily grown from seed.

—**cannabinum.** **EUPT-9. 25¢**
Snow-on-the-Mountain. HA pale purple heads; 6 ft.

—**Lasseauxii.** **EUPT-20. 25¢**
Heads white, changing to rose; 2 ft; TA.

—**maculatum.** **EUPT-26. 25¢**
Joe-Pye-Weed. Pink or purple fl-heads; 8 ft; TA.

—**purpureum.** **EUPT-32. 25¢**
Grows to 10 ft; lvs in whorls; purple fls.

—**rugosum.** **EUPT-34. 40¢**
White Snake-root. White heads; 4 ft; HP.

—**sordidum.** **EUPT-42. 50¢**
Shrub; violet heads; Mexico; (X).

—**Mixed Eupatoriums.** **EUPT-X. 20¢**

EUPHORBIA

Spurge. Euphorbiaceae. It is one of the most diverse of all plant genera. There are at least 1,000 species, many good succulents. They thrive in a porous but not too rich a soil. Many species are being reclassified; for other succulents. Euphorbias are lime haters; tap water should not be used in their beds, only rain water; a temperature of 95 FAH. is recommended in germinating seed.

—**Burmanniei.**

—**epithymoides.**

A showy border plant; 2 ft; HP.

—**Fraseri:** see **rugosum.**

—**heterophylla.**

Plant like the Poinsetta; start indoors; 3 ft; TA.

—**Lathyrus.**

Caper Spurge; Mole-Plant; 3 ft; HA.

—**Livingstonia.**

Collected in S. Rhodesia.

—**marginata.**

Snow-on-the-Mountain. Leaves margined white; 2 ft; HA. **Oz. 80¢.**

—**mauritanica.**

—**Montieri.** (Marlothiana)

—**Myrsinites.**

Decumbent; RG; stems end in golden flower-heads HP.

—**platyphyllos.**

—**polychroma:** see **E. epithymoides.**

—**pulcherrima.**

Poinsettia. Shrub to 10 ft; bright red fls; (X); they will not flower if the do not get a full 12 hours of darkness daily; even very short periods of light at night will affect them.....100 seeds \$9.00.

—**rugosum.**

White Snakeroot. White heads; 4 ft; HP.

—**sikkimensis.**

—**solandens.**

Crown-of-Thorns; Calveary Clover. To 4 ft; bracts bright red; GH; HA.

—**Tirucallii.**

—**Variegata:** see **E. marginata.**

—**Euphorbia Mixed.**

EUSCAPHIS.

Staphyleaceae. One deciduous shrub native of Japan and China.

—**japonica.**

EUSTOMA.

(YEW-stom-uh)

—**russellianum.**

Blue Gentian. HB; 2 ft; mass of 3" bell-shaped dark to pale blue fls; June till frost; moist place; fine cut; treat as HA; showy but not often seen. ¼ Oz. \$1.00.

EUTOCA: see **Phacelia.**

EVODIA.

(ee-VOH-dee-uh)

—**frankiiifolia.**

EVOD-3. 50¢

EXACUM.

(EKS-ak-um)

Gentianaceae. Annuals, biennials and perennials, summer blooming; fls white, lilac or purplish blue, flat petalled in branching clusters at the top of leafy stems. Not hardy in the N but grown as a pot plant in the GH; sow seeds in August for indoor growing; hardy in the South.

—**affine.**

A new dark lavender; fine dwarf for pot-plant; fragrant fls.

—**teres.**

Blue flowers; 4 ft; India.

EXOCHORDA.

(ex-soh-KORD-uh)

Pearl Bush. Rosaceae. Hardy deciduous Asian shrubs; very ornamental and hardy in the North. They thrive in a sunny place and well drained soil.

Seed can be held in sand, indoors, till spring and then started in flats in ordinary seed compost

—**racemosa.**

FANCARIA: see in list under **CACTI.**

FARSETIA.

(far-SET-ah)

Erect woolly annuals and perennials or sub-shrubs with white, pink or yellow fls in

EUPH-15. 50¢

EUPH-40. 25¢

EUPH-67. 25¢

EUPH-75. 30¢

EUPH-80. 35¢

EUPH-82. 20¢

EUPH-84. 50¢

EUPH-87. 50¢

EUPH-90. 25¢

EUPH-113. 50¢

EUPH-122. 50¢

EUPH-128. 30¢

EUPH-132. 35¢

EUPH-135. 25¢

EUPH-148. 50¢

EUPH-X. 25¢

EUSC-1. 50¢

EUST-1. 35¢

EVOD-3. 50¢

EXAM-1B. 50¢

EXAM-6. 30¢

EXOR-6. 35¢

spikes or racemes; sometimes listed under Fibigia. (Cruciferae).

—*clypeolata*.

FARS-2. 50¢

FATSIA.

(FAT-see-ah)

Araliaceae. A single evergreen shrub native of Japan and grown in the GH; it is an extra nice foliage plant.

—*japonica*.

FATS-1. 50¢

(*Aralia* jap.) Ev. sh. to 20 ft; grown in the GH; (VIII); whitish fls in umbels; new seed ready in April; price variable. 500 seeds \$2.00.

—*Moseri*.

FATS-1M. 50¢

A compact growing form; GH.

—*papyrifera*: see *Tetrapanax papyriferum*.

FELICIA.

(fe-LISH-ee-ah)

Compositae. Af. annuals and sub-shrubs; the latter make nice plants in the GH and the annuals nice garden plants. They have attractive daisy-like fls with blue or white rays and yellow disks.

—*adfinis*.

FELC-1. 35¢

Blue flowers; 6 inches.

—*amelloides*.

FELC-3. 25¢

Blue Daisy To 3 ft; sky-blue fls on long spikes; S. Af. Oz. \$1.50.

—*Bergeriana*.

FELC-4. 30¢

Kingfisher Daisy. Brilliant blue, daisy-like fls with a golden center; fine for RG or edging; 6"; HHA. ½ Oz. 70¢.

—*echinata v. Paralia*.

FELC-6P. 35¢

Erect bush with bright blue fls; 10 "

—*hyssopifolia*.

FELC-8. 30¢

Rays lavender-mauve, golden disk; 12"; TA.

—*rotundifolia*.

FELC-11. 35¢

Blue fls with yellow disk; 6"

—*tricolor*

FELC-14. 35¢

Pinkish with purple zone, yellow disk; 9".

Please do NOT write letters on orders!

FERNS.

We have a considerable number of fern spores to offer but due to the listing not being ready as this is being printed, we will try to get them in the last section of this issue.

FESTUCA.

(fes-TUC-ah)

Fescus. Gramineae. Perennial grasses, mostly tufted, with spikelets in narrow panicles; some are suited for pastures, others for lawn and ornamental grasses.

—*ovina v. glauca*.

FEST-8G. 25¢

Blue glaucous foliage; 2 ft; HP.

FEVERFEW: see *Chrysanthemum Parthenium*.

FIBIGIA: see under **FARSETIA**.

FICUS.

Fig. Moraceae. Some are grown in the (X) and (XI) zones and some make good house plants.

—*benjamina*.

FIC-7. 40¢

Tree native of India; (X). 100 seeds 80¢.

—*elastica*.

FIC--20. 35¢

—*capensis*.

FIC-10. 30¢

S. Af. Wild Fig. Ornamental fruit on the old wood; 0 ft.

Rubbed Plant; good tub subject; (X).

100 eseds 80¢; 1,000, \$2.50.

—*macrophylla*.

FIC-33. 50¢

Moreton Bay Fig. Attractive conservatory plant with glossy leaves. Oz. \$1.75.

—*religiosa*.

FIC-52. 35¢

Bo-tree; Sacred Tree of India. (X). 100 seeds 80; 1,000, \$2.50.

FIRMIANA.

(fir-me-AN-ah)

Sterculiaceae. Warm region trees and grown in the South as shade trees.

—*simplex*.

FIRM-1. 35¢

Chinese Parasol Tree; Phoenix T. (IX); a good street tree in far S. Oz. 50¢; lb. \$2.50.

FOENICULUM.

(fee-NIK-yew-lum)

Umbelliferae. Sweet Fennel. Grown for its leaves and aromatic seeds; see also in Herb List; sow seeds in the spring.

The common trade names are given here:

—Sweet or Florence.

FOEN-1F. 25¢

—Sicilian.

FOEN-1S. 25¢

—Giant of Naples.

FOEN-1N. 20¢

Oz. 40¢; lb. \$2.00.

—Bologna.

FOEN-1B. 25¢

Oz. 40¢; lb. \$2.00.

FORGET-ME-NOT: see *Myosotis*.

FRAILEA: see under Cacti.

FRANKLINIA: see *Gordonia alatamaha*.

FRASERA.

(fray-ZER-ah)

Columbo. Gentianaceae. N. Amer. plants with white, yellowish or bluish fls in panicle clusters.

—*Parryii*.

FRAS-14. 30¢

Greenish white fls; 3 ft; S. Calif.

FRAXINUS.

(FRAX-in-us)

Ash. Oleaceae. Valuable street and shade trees; do best where soil is moist; best to stratify seed or sow in late fall, when they germinate the following two springs.

—*americana*.

FRAX-1. 30¢

White A. Stratify seed above 40 Fah. sow early in spring; many seeds germinate the 2nd year. Oz. 50¢; lb. \$2.50.

—*excelsior*.

FRAX-14. 30¢

European Ash. Oz. 40¢; lb. \$1.00.

—*australis*.

FRAX-14A. 25¢

—*pendula*.

FRAX-14P. 30¢

Oz. 90¢; lb. \$1.50.

—*oregona*.

FRAX-26. 30¢

Tree to 75 ft; Wash; (VI). Oz. 45¢; lb. \$3.00.

—*Ornus*.

FRAX-27. 30¢

Flowering Ash. Tr to 60 ft. Oz. 50¢; lb. \$1.50.

—*pennsylvanica lanceolata*. **FRAX-31L.** 30¢

Red Ash. Lb. 1.25.

FREESIA.

(FREE-zee-ah)

Iridaceae. A very popular flower for the GH; flowers in 10 weeks after planting bulbs making choice cut-flowers in late winter or early spring. They can be grown out doors in the far South where they should be planted in the far South where they should be planted the second year.

—*Luzi*.

FREE-2. 50¢

New type in beautiful new shades.

—*Hybrids*.

FREE-2H. 30¢

(Ragioniere) Best European strain. Oz. \$4.00.

—*Super Giants*.

FREE-2S. 50¢

Blend of white, rose-red, yellow-orange, lilac-purple; special GH strain. ½ Oz. \$7.00.

—*pura grandiflora*.

FREE-5P. 35¢

A pure white; very early flowering.

—*Marie Josee*.

FREE-2M. 30¢

Nice red.

—*refracta Buttercup*.

FREE-5B. 30¢

Pure buttercup-yellow; 18".

—*Tubergeni Hybrids*.

FREE-6H. 30¢

—*Mixed*.

FREE-X. 30¢

FREMONTIA.

(free-MON-te-ah)

Sterculiaceae. Two evergreen shrubs with

showy yellow fls without petals, followed by capsular fruits; dry soil and not hardy in N.

—**mexicana.** **FREM-2.** 50¢
Flannel Bush. 10 ft; fls 2" ac.

FRITILLARIA

Liliaceae. Bulbous plants with drooping bell-shaped fls often checkered in greenish, purple or brown. They can be grown from bulbs which are offered in the summer or they are easily grown from seed.

—**acmopetala.** **FRIT-1.** 40¢
Rare; pretty; large maroon and green fls; 18"; HP.

—**cirrrosa.** **FRIT-8.** 30¢
Yellowish fls checkered purple; 2 ft; HP.

—**imperialis.** **FRIT-11.** 25¢
Purplish brick-red or yellow-red fls; 4 ft.

—**rubra.** **FRIT-11R.** 25¢
Red for; 3 ft; HP.

—**meleagris.** **FRIT-16.** 30¢
Flowers checkered with purplish or maroon; HP.

—**pallidiflora.** **FRIT-20.** 30¢
Pale yellow, spotted inside; 9"; HP.

—**pudica.** **FRIT-22.** 30¢
Yellow Bells. Earliest in spring; 6"; HP.

—**pyrenaica.** **FRIT-25.** 30¢
Dark purple, spotted with green; 18"; HP.

—**recurva.** **FRIT-26.** 25¢
Scarlet checkered with yellow; 2 ft; HP.

—**Roylei.** **FRIT-28.** 30¢
Greenish yellow, netted dull purple; 2 ft.

—**tuntasia.** **FRIT-34.** 50¢
Lovely black fls; rare; 12"; HP.

—**Mixed.** **FRIT-X.** 25¢

FUCHSIA. (FEW-smuh)

Onagraceae. Tender plants with very pretty flowers; they make excellent house plants or can be grown in a cool GH. In the far South they are grown out doors.

—**California Strain.** **FUCH-1.** 50¢

GAILLARDIA

Blanket Flower. Compositae. Annuals, biennials and perennials with showy solitary flowers with red or yellow rays. They are excellent for cut-flowers or make showy displays in the border.



GAILLARDIA — Monarch Strain

G. ARISTATA: Hardy perennials; easily grown anywhere. All varieties: ¼ Oz. 50¢.

—**Bremen.** **GAIL-1B.** 20¢
Coppery scarlet with yellow tips; pretty. ¼ Oz. 50¢.

—**Burgundy.** **GAIL-1N.** 20¢
A rich wine-red; very showy. ¼ Oz. 50¢.

—**Goblin.** **GAIL-1G.** 20¢

A dwarf compact variety; deep red with a golden border. ¼ Oz. 50¢.

—**Kobold.** **GAIL-1K.** 20¢

A Swiss novelty; red with gold zoning.

—**Monarch Strain.** **GAIL-1M.** 20¢

Very large flowers in a wide color range.

—**Portola Hybrids.** **GAIL-1P.** 25¢

Scarlet fls intensified with bronze-gold tips; semi-double.

—**Sun.** **GAIL-1SN.** 25¢

Orange-yellow; very nice. ¼ Oz. 70¢.

—**Superbum.** **GAIL-1S.** 20¢

Large flowered variety, mixed colors.

—**Yellow Queen.** **GAIL-1Y.** 20¢

Pure golden yellow; pretty. ¼ Oz. 50¢

—**Tangerine.** **GAIL-1T.** 20¢

Beautiful orange; true.

—**The Dazzler.** **GAIL-1D.** 20¢

Intense golden yellow with maroon-red zone. ¼ Oz. 50¢.

Blend of above. **GAIL-1X.** 20¢

G. PULCHELLA: Also listed as *G. picta*, *G. Drummondii*. Hardy annuals growing to 18"; they are grown mainly for cutting.

—**Indian Chief.** **GAIL-7C.** 20¢

Pretty deep coppery scarlet with dark brown center. ¼ Oz. 40¢.

—**Lorenziava.** **GAIL-7Z.** 20¢

Double disk fls; very showy. ¼ Oz. 40¢.

—**Tetra.** **GAIL-7T.** 20¢

A blood-red; showy.

—**Single Mixed.** **GAIL-7X.** 20¢

—**New Giant Doubles.** **GAIL-7DX.** 25¢

GALEGA. (gah-LEE-gah)

Leguminosae. Bushy perennials with blue white or purple pea-like fls in thick clusters or racemes; excellent cut-flowers; seed can be planted where they are to grow.

—**officinalis.** **GALG-2.** 25¢

Goat's Rue. White, lilac and rose fls; 3 ft; HP.

Galphimia glauca: see *Thryallis glaucis*.

GALTONIA. (gol-TOH-nee-uh)

Liliaceae. S. Af. bulbous plants growing 2-3 ft. with flowers much like Hyacinths but in open racemes; they are hardy up in the (VII) zone.

—**candicans.** **GALT-1.** 25¢

Giant Summer Hyacinth. White; 3 ft; Tbb; treat like Gladiolus in storage.

GAMOLEPSIS. (gam-MOL-ep-is)

Small shrubs and plants native of S. Af. and having yellow solitary flower heads of ray and disk flowers. Grown for the fls and for edging; tender.

—**tagetes.** **GAMO-11.** 25¢

Neat and compact little plant bearing quantities of bright golden yellow daisy-like fls; 8"; HA; bedding or edging; easy.

—**speciosa.** **GAMO-10.** 35¢

Brilliant orange; 8".

GARDENIA. (gar-DEEN-ee-ah)

Rubiaceae. Popular shrubs grown for their pretty fls, both out doors in the S or in the GH in the North.

—**jasminoides.** **GARD-4.** 50¢

(*G. florida*) Cape-Jasmine. Ev. sh to 6 ft; fls white, 3" ac; China.

—**Thunbergii.** **GARD-7.** 40¢

To 10 ft; fls white, fragrant, 4" ac; S. Af.

GAULTHERIA. (gaw-THÉE-re-ah)

Ericaceae. Evergreen woody plants of the Heath Family having small white, blue, red or black fls followed by fruits. Many are very

dwarf and suited for the RG. Sandy soil, plenty of moisture, best in light shade and an acid soil; not real hardy in N without winter protection.

—**antipoda.**

White or pink fragrant fls; sh to 5 ft; N. Z.

GAUL-3. 30¢

—**Hookeri.**

A rare species from the Himalayas.

GAUL-6. 40¢

—**Miqueliana.**

Compact sh; RG; 15"; Lily-of-the-Valley-like flowers followed by white berries; HSh; good.

GAUL-10. 30¢

—**oppositifolia.**

A really attractive shrub covered with striking Heath-like fls in early spring; 3 ft; (IX); N. Z.

GAUL-13. 50¢

—**procumbens.**

Winter-berry; Checkerberry; Teaberry. Creeping; white fls; May-Sept; scarlet fr; Canada to Ga; (III).

GAUL-17. 40¢

—**trichophylla.**

Pink fls; prostrate, shrubby; RG; not easy but good.

GAUL-21. 30¢

—**perplexa.**

Prostrate shrub to 3 ft; N. Z.

GAUL-16. 30¢

—**rupestris.**

Erect, rarely procumbent, sh with smaller lvs; white fls; pink or red br; 2-4 ft; (V); N. Z.

GALT-20. 50¢

—**Mixed.**

GAUL-X. 30¢

GAURA.

(GAU-rah)

Oragraceae. N. Amer. perennials; rose or white fls in spikes or clusters. Grown in the border or wild garden.

—**Lindheimeri.**

A graceful plant with long sprays of white fls blooming over a long season; July-OCT; 3-4 ft; good cut; TP but grow as HHA; space 20".

GAUR-2. 30¢

GAZANIA.

(gah-ZAY-ne-ah)

(Meridiana) Compositae. White, orange and yellow fls opening in the sunshine; disks dark; border or for edging.

—**leucolaena.**

Trailing plant; yellow fls; gray lvs.

GAZ-2. 40¢

—**longiscarpa.**

A beautiful plant for a sunny place; large Daisy-like golden yellow fls spotted brown around center, 2" ac; July-Oct; TP, grow as HHA; 6-9"; space 9".

GAZ-1. 30¢

—**pinnata.**

Orange fls; 6".

GAZ-7. 35¢

—**splendens, Mixed.**

Rays orange with black and white spot at base; 18"

GAZ-8X. 30¢

GENIOSTOMA.

Loganiaceae. Shrubs native of Pacific Islands; fls small, in axillary clusters or cymes.

Greenish white fls; 12 ft; N. Z.

Bushy N. Z. sh; pale green, shining lvs; 8 ft; greenish white fls; good in dry places.

GENISTA.

(jen-NIST-ah)

Broom. Leguminosae. Ornamental shs with yellow or white fls in racemes, followed by flattened pods. Thrives in dry locations and mild climates; not hardy in the North.

—**aemensis.**

Golden yellow; fragrant; July-Aug; Sicily; 15 ft; HHSh.

GENS-1. 40¢

—**canariensis:** see *Cytisus*. Pretty pot plant.

—**fragrans:** see *Cytisus fragrans*.

—**horrida.**

Flowers in terminal heads; 1½ ft; HP.

GENS-12. 50¢

—**juncea:** see *Spartium junceum*.

—**monosperma.**

White fls; 10 ft; (IX). Oz. 75¢.

GENS-17. 30¢

—**occidentalis.**

—**hispanica**

Spanish Broom. Golden yellow fls; in terminal heads; May-June; 2 ft; HP.

GENS-19. 50¢

GENS-11. 50¢

—**sagittalis.**

GENS-23. 40¢

—**scoparia:** see *Cytisus scoparius*.

—**tinctoria**

Dyer's Greenwood. 3 ft. Oz. 75¢.

GENS-38. 30¢

—**sagittalis.**

Yellow fls in terminal racemes; June-July; 1 ft; HP.

GENS-23. 50¢

—**Genista Mixed.**

GENS-X. 25¢

GENTIANA

Low growing annuals and perennials, usually with blue or purple fls, occasionally white or yellow. They are excellent rockery plants. Best soil mixture recommended: 2 part loose bulk loam, 1 part coarse sand, 1 part bulk course peat to which add to each bushel of the above, 1½ oz. super-phosphate and ¾ oz. ground limestone. Leave lime out for Himalaya species; no manure or leaf mould. Seed containers should be kept shaded, never allow the sun to reach the seed; even when germinating; seed may take a year to germinate and thus sowing in coffee cans should be tried.

—**acaulis.**

Dark blue, spotted inside; 4"; HP; success is mainly a cool root; try planting North of a stone; light application of lime good; try oyster shells whei planting. Success is mainly a cool root; try planting N of stones; light applications of lime good. ½ Oz. \$2.00.

GENT-1. 35¢

—**Andrewsii.**

Purplish blue; 2 ft; HP.

GENT-7. 35¢

—**asclepiadea**

Dark blue fls; 18"; Caucasus; HP.

GENT-9. 50¢

—**augustifolia.**

Blue spotted with green; Alps; HP.

GENT-8. 50¢

—**candidum.**

—**Clusii.**

Very much like G acaulis.

GENT-22. 50¢

GENT-24. 50¢

—**cruciata.**

Dark blue fls; 10"; HP.

GENT-25. 50¢

—**Farreri.**

Blue, white throat, yellowishwhite band; 3"; HP; sow in fall to March when they germinate in 3 weeks.

GENT-31. 50¢

—**Fetisowii.**

Deep blue; 1½" long; terminal clusters.

GENT-32. 50¢

—**gracilipes.**

Rosette forming; fls purplish blue; 6"; China; HP.

GENT-42. 50¢

—**Kochiana.**

Rosette forming; 6"; blue, white, rose; HP.

GENT-47. 50¢

—**lutea.**

Yellow fls.; 1" long in dense umbel-like cymes; 6"; HP.

GENT-53. 50¢

—**Oliveri.**

(G. dahurica) Dark blue fls in umbel-like cymes; Asia; (IV); HP.

GENT-62. 35¢

—**porphyrio.**

Bright blue fls 2" long; N. J.; sandy acid meadows; 12"; HP.

GENT-71. 35¢

—**purpurea.**

Purple fls; 2 ft; HP.

GENT-96. 35¢

—**Saponaria**

Blue fls; 30"; HP.

GENT-91. 35¢

—**septemfida.**

Nice blue fls; stems 10"; July-Aug; HP.

GENT-98. 50¢

—**sikkimensis.**

Mat-forming; 6"; blue, white throated; China; HP.

GENT-100. 50¢

—**tibetica.**

Yellowish white, tinted blue; 18"; 18 in; Himalayas.

GENT-113. 50¢

—**verna.**

Tufted dark blue; 3"; HP; sow seeds in the fall and up to the end of Jan when

GENT-118. 50¢

they naturally will germinate in late Feb and March; any other time, the seed will just hold over till the next Feb or March!

—Mixed Gentians. GENT-X. 30¢

GERANIUM. (gee-RAY-nee-um)

Crane's-bill. Geraniaceae. Annuals and perennials for the border or rockery; set the perennials out in the spring. CAUTION; these are NOT the common greenhouse Geraniums—they belong to the Pelargoniums.

—collinum. GERN-11. 30¢
Purplish violet; 18"; HP.

—ibericum. GERN-23. 25¢
Purple fls, 1½" long; 1½ ft; HP.

—macrorrhizum. GERN-29. 30¢
Magenta fls; 18"; HP.

—Ingwersen Form. GERN-29W. 50¢
Fragrant foliage; bright pink fls; 7"; HP.

—napalense. GERN-30. 30¢
Rose-purple fls; decumbent to 18"; HP.

—pratensis Silver Queen. GERN-38S. 50¢

—pusillum. GERN-40. 35¢

Prostrate; blue-purple fls; HA; Himalayas

—sanguineum. GERN-46. 25¢

—sibericum. GERN-48. 50¢

—Mixed Geraniums. GERN-X. 25¢

GERARDIA. (ger-AR-dee-ah)

Scrophulariaceae. (Agalinis) American native annuals and perennials; flowers are real showy.

—purpurea. GERA-3. 30¢
Rose-pink fls with red-purple spots; July-Sept; 2 ft; HA; good to naturalize.

GERBERIA. (jer-BEER-ee-ah)

Transvaal or Barberton Daisy. Compositae. Herbaceous perennials with solitary orange pink, or yellow heads in rays; they are not hardy in the far N.

—Giant Hybrids GERB-2. 30¢
500 seeds \$2.00.

—Jamesonii, Scarlet. GERB-2S. 30¢
Heads 4" ac; 18". 500 seeds \$2.00.

GESNERIA.

—Martinii. HARO-25. 50¢

—Red Hybrids. GESN-1R. 50¢

Beautiful German hybrids.

—umbellata Texa. GESN-1T. 50¢
Scarlet fls; showy pot plant.

GEUM

Avens. Rosaceae. Erect perennials easily grown and excellent for cutting or for beds, border or rockery; sow seeds in open ground early in the spring.

—chiloense Fireball. GEUM-10F. 20¢
Bright scarlet; 2 ft; HP.

—Gold Ball. GEUM-10G. 20¢
Rich golden yellow variety; 2 ft; HP.

—Mrs Bradshaw. GEUM-10B. 20¢
Rich double scarlet; 2 ft; HP.

—Scarlet. GEUM-10R. 20¢
Large double flowers.

—Lady Strathedon. GEUM-10S. 20¢
Double golden yellow variety; 2 ft; HP.
½ Oz. \$1.20.

—Mixed Chiloense Var. GEUM-10X. 20¢

—coccineum. GEUM-11. 25¢

Bright red fls, 1" ac; HP.

—elatum. GEUM-13. 25¢

Golden yellow; 1 ft; light shade; HP.

—Hyb's, Waight's Brilliant. GEUM-16W. 25¢

—montanum. GEUM-24. 25¢

Golden yellow fls 1½" ac; 1 ft; HP.

—sylvaticum. GEUM-36. 50¢

Yellow fls, 1" ac; 2 ft; HHP.

—triflorum. GEUM-38. 35¢

Purplish fls, ¾" ac; 1½ ft; HP.

—urbanum. GEUM-40. 25¢

Yellow fls, ½" ac; 2 ft; HP.

—Mixed Geum. GEUM-X. 20¢

GILIA

Polemoniaceae. Annuals, biennials and perennials having blue, yellow, pink or white funnellorm flowers. They are mostly annual and the seed can be sown early in the open ground.

—achilleaefolia. GIL-2. 20¢

Blue, dense terminal clusters; 2 ft; HA.

—aggregata. GIL-4. 30¢

Bears spikes of star-like fls varying from brilliant scarlet to pink; much like G. rubra

July-Sept; 18"; space 18"; grow as HHA.

—capitata. GIL-12. 20¢

Popular; erect branching habit; globe-shaped heads of soft lavender-blue, above

a finely cut fol; June-Oct; 20"; HA. Oz. 50¢

—White. GIL-12W. 20¢

—caruifolia. GIL-13. 25¢

Hardy annual.

—dianthoides. GIL-18. 20¢

Formerly listed as Fenzlia and Linanthus. An exquisite little plant with large Phlox-like fls of a soft rosy lilac, with yellow throat; easily grown; free-flowering; July-Sept; 6"; space 6"; HA.

—French Hybrids. GIL-21F. 20¢

Seed from France.

—incisia. GIL-21. 25¢

Blue Gilia.

—laciniata. GIL-22. 25¢

Rose, blue, pale lilac to white; 8"; HA.

—lutea. GIL-26. 25¢

Formerly listed under Leptosiphon. An attractive dwarf annual; 6-9"; covered with star-like fls in large range of colors; excellent edging plants; is good with Alyssum; June-Sept; space 6"; HA.

—rubra. GIL-38. 20¢

Standing Cypress. A nice perennial, best treated as a biennial; striking plant with spikes of vivid scarlet tubular fls; July-Oct; 3 ft; space 20".

—tricolor. GIL-42. 20¢

Bird's Eyes. Showy and easily grown; fls in loose clusters of lavender and white, with golden and purple centers; June-Sept; 1 ft; HA; space 1 ft.

—Tall Mixed. GIL-TX. 20¢

Oz. 50¢.

—Mixed Gilia. GIL-X. 20¢

GINKGO. (GINK-goh)

Ginkgoaceae. One deciduous tree native of China.

—biloba. GINK-1. 25¢

Maiden-hair Tree. Oz. 60¢; lb. \$1.25.

GINSENG: see *Panax quinquefolium*.

GLADIOLUS. (glad-ee-OH-lus)

Iridaceae. Cormous perennials native of Africa; most of them must be dug up in the fall and wintered over in a frost-proof place.

—blandus. GLAD-5. 35¢

White and red tinged fls; 2 ft.

—illyricus. GLAD-29. 35¢

Reddish flowers; 1½ ft.

—Melleri. GLAD-34. 35¢

Bright salmon red species; 3-4 ft; South Rhodesia.

—permeadilis. GLAD-41. 35¢

Pink or lilac fls; 2 ft; S. Rhodesia.

—psittacinus. GLAD-44. 40¢

One of the parents of our large-flowered Glads; hardy in zone (VII) where it will form large clumps; fls in brilliant colored

blooms in rich yellow and dark red.

—**tristis.** **GLAD-53.** 30¢
Yellowish white fls with purple on keel;
2 ft; S. Af.

—**Mixed Gladiolus Species.** **GLAD-X.** 25¢
NOTE: I would like to hear from anyone
growing gladiolus species; best if located
in central South.

GLAUCIUM. (GLAW-see-um)
Horned or Sea Poppy. Papaveraceae. Per-
ennials, with orange colored juice and with
solitary orange or yellow fls.; grow as annual
in the N; thrives in any soil; sunny places.

—**flavum.** **GLAU-4.** 40¢
Attractive foliage and large golden yellow
or orange fls; flourishes in poor, sandy soil;
July-Sept; 2-3 ft; HA; space 20".

—**Mixed.** **GLAU-X.** 25¢
Scarlet and yellow; 2 ft; HP; grow as HA.

GLEDITSIA. (gled-DIT-see-uh)
Honey Locust. Leguminosae. They are
real good trees and hardy in the North.
The seed can be sown in the spring but will
require 2 years for all seed to germinate.

—**japonica.** **GLED-5.** 35¢
Tree to 70 ft; Japan.

—**sinensis.** **GLED-9.** 35¢
Tree to 40 ft; China.

—**triacanthos.** **GLED-10.** 25¢
Sweet Locust; Scald seed; sow in spring.
Oz. 50¢; lb. \$1.50.

—**inermis.** **GLED-10N.** 30¢
Pods twisted; (V); sow in spring. Oz. 60¢.
Oz. 60¢; lb. \$2.00.

GLERICIDIA. (glir-ee1CID-ee-ah)
Luguminosae. Tropical Amer. trees and
shrubs grown in the far South for ornament.

—**sepium.** **GLIR-2.** 35¢
Madra. Tropical tree with pea-shaped
pink fls; blooms in spring in (X). Oz. 75¢.

GLOBULARIA. (glob-u-LAY-re-ah)
Globulariaceae. Little shrubby plants from
the mountains of southern Eu. and Asia, blue
or white fls in rounded heads. They are easily
grown from seed, in a moist and partly
shaded place; RG.

—**elongata.** **GLOB-1.** 40¢
—**bellidifolia.** **GLOB-2.** 40¢
Probably a variety of *G. cordifolia*; prostrate
sub-sh; blue fl-heads ½" across.

GLORIOSA. (gloh-ree-OH-suh)
Glory-Lily. Liliaceae. Tuberous rooted
climbers with red or yellow Lily-like flowers.
They can be grown out doors in the S and in
the N make fine GH plants.

—**superba.** **GLOR-5.** 50¢

GLOXINIA: see *Sinningia speciosa*.

GLYCYRRHIZA. (gliss-ihr-RYE-zuh)
Leguminosae. Perennials and sub-shrubs.

—**glabra.** **GLYC-2.** 30¢
Licorice. Pale blue fls; 3 ft; HP; (V);
rich moist soil; roots furnish licorice.

GNAPHALIUM. **GNAP-10.** 50¢
—**irineve.**

GODETIA

Onagraceae. Erect annuals with bright
showy flowers in red, lilac, purple or white;
easily grown, best in a light soil and sunny
spot. Seeds can be started indoors or plant-
ed where they are to grow.

G. GRANDIFLORA: Under this heading
are the popular varieties. They probably
are hybrids of *G. amoena* and *G. Bottae*;
best sown during March (V-IV) or April,
directly where they are to grow as they do
not transplant well; farther South the seed
can be planted in Sept; they are also ex-
cellent pot plants for the greenhouse; sow
seed in Aug-Sept for January flowers; give
plenty of room and well to stake plants;
HA; space 18 inches apart.

—**carmine.** **GODT-4E.** 20¢
Double carmine-red.

—**Charming.** **GODT-4C.** 20¢
Dwarf; very bright deep satiny pink; 12".

—**Cherry Red.** **GODT-4CR.** 20¢
A real showy variety.

—**Crimson Glow.** **GODT-4G.** 20¢
Dwarf; extra dark crimson strain; 1 ft.

—**Duke to York.** **GODT-4D.** 20¢
Dwarf carmine-scarlet; 1 ft.

—**Kelvedon Glory.** **GODT-4K.** 20¢
Dwarf deep glowing salmon-orange; 1 ft.

—**Mauve Queen.** **GODT-4M.** 20¢
Beautiful new mauve color; dwarf; 1 ft.

—**Fantasy.** **GODT-4F.** 20¢
Full double flowers.

—**Orange Glory.** **GODT-4N.** 20¢
NEW; pure orange; double.

—**Purity.** **GODT-4P.** 20¢
Glistening solid snow-white; 1 ft.

—**Rosemunde.** **GODT-4R.** 20¢
Beautiful rose-pink; 1 ft.

—**Sybil Sherwood.** **GODT-4S.** 20¢
Pretty salmon-pink; 1 ft.

—**Thunderbolt.** **GODT-4T.** 20¢
Vivid deep crimson with frilled petals.

—**White Swan.** **GODT-4W.** 20¢
Large flowering satink white; 1 ft.

—**Mixed.** **GODT-4DX.** 20¢
All dwarf varieties; 1 ft.

Any of above: Oz. 80¢.

TALL UPRIGHT SINGLE VARIETIES:

Nice for the border, bedding; 2-3 ft;

—**Duke of York.** **GODT-6D.** 20¢
A rich scarlet.

—**Fairy Queen.** **GODT-6F.** 20¢
White and crimson.

—**Gloriosa.** **GODT-6G.** 20¢
Lord Roberts. Blood-red.

—**Pelargonium.** **GODT-6P.** 20¢
Bluish pink, blotched sarmine; pretty.

—**S-arlet Queen.** **GODT-6S.** 20¢
Brilliant scarlet.

—**The Bride.** **GODT-6B.** 20¢
Crimson and white.

—**Tall Upright Mixed.** **GODT-6X.** 20¢

WHITNEYII: A very compact strain, both
dwarf and double flowered; also known as
Azaleaeflora.

—**Maiden Blush.** **GODT-7M.** 20¢
Double rose-pink. ½ Oz. 80¢.

—**Begonia Rose.** **GODT-7B.** 20¢
Compact brilliant rose.

—**Lady Albemarle.** **GODT-7L.** 20¢
A compact crimson variety.

—**Whitneyii Blend.** **GODT-7X.** 20¢
Many varieties. Oz. 75¢.

GOLDEN SEAL: see *Hydrastis canadensis*.

GOMPHRENA. (gom-FREE-nah)

Amaranthaceae. Native of American trop-
ics; they are popular as "everlastings" bear-
ing Clover-like heads; cut before fully open,
hang up to dry in a cool, airy place.

G. GLOBOSA: Start seeds indoors for bet-
ter germination.

—**Rose.** **GOMP-2Z.** 20¢

—**Orange-yellow.** **GOMP-2Y.** 20¢

—**Purple.** **GOMP-2P.** 20¢

—**Striped.** **GOMP-2S.** 20¢

- White. GOMP-2W. 20¢
- Dwarf Buddy. GOMP-2B. 25¢
- New; extra dwarf; bright reddish purple.
- Mixed. GOMP-2X. 20¢

GORDONIA.

(gor-DOH-nee-ah)

Theaceae. Trees and shrubs from warm regions. The American species, *G. alata*—aha, is not too well known, but a fine tree.

—**alata**.

GODO-1. 40¢

Franklinia Tree. To 20 ft; beautiful white flowers 3" ac; it requires an acid soil and is hardy up into the (V) zone.

100 seeds \$2.50; 1,000, \$10.00.

GOURDS.

Listed here are the Cucubits having hard shells and grown for ornament; they are very ornamental, easily grown and can be treated the same as Pumpkins; they want stand any frost; they dislike any root disturbance.

SMALL FRUITED VARIETIES. Mainly Cucubita pepo.

- White Egg. GORD-1E. 20¢
- About the size of a lemon.
- Flat Striped. GORD-1F. 20¢
- Dark green with yellow stripes.
- Miniature. GORD-1M. 20¢
- Fruits round, dark green striped yellow.
- Orange. GORD-1R. 20¢
- Orange and the same size.
- Pear-bicolor. GORD-1PB. 20¢
- Half green, half yellow; pear-shaped.
- Pear. GORD-1P. 20¢
- White fruits; pear-shaped.
- Pear-striped. GORD-1L. 20¢
- Dark green, striped with longitudinal white bands.
- Spoon. GORD-1S. 20¢
- Small green; very warty fruits.
- Small Fruited Mixed. GORD-1X. 20¢
- Oz. 50¢; lb. \$2.80.

LARGE FRUITED VARIETIES: Mainly Cucubita leucantha.

- Apple. GORD-2A. 20¢
- Apple-shaped; green.
- Bottle-shaped. GORD-2B. 20¢
- Green.
- Dipper. GORD-2D. 20¢
- Hercules Club. GORD-2H. 20¢
- Nest Egg. GORD-2N. 29¢
- Fruits white; size of Duck egg.
- Orange. GORD-2G. 20¢
- Turk's Cap. GORD-2T. 20¢
- Very showy; acorn-shaped.
- Large Fruited Mixed. GORD-2X. 20¢
- Oz. 50¢; lb. \$2.50.

GRASSES — Ornamental.

The following list includes practically all those usually grown—in the U. S. A. at least. All may not be listed under their headings if seed is not available. I will appreciate hearing from any reader in foreign countries having other species, grown from seed.

- Briza maxima and minor.
- Coix lacryma-jobi.
- Cyperus alternifolius and paramatta.
- Festuca glauca.
- Gnerium argenteum.
- Hordeum jubatum.
- Isolepis gracilis.
- Miscanthus sinensis and its var. zebrinus.
- Pennisetum longistylum and Rueppelii.
- Poe violacea.
- Zea gigantea quadricolor.
- Dwarf Grasses Mixed. GRS-1X. 25¢
- Only dwarf ornamental kinds. ½ Oz. 50¢.

- Tall Grasses Mixed. GRS-2X. 25¢
- Only ornamental sorts. ½ Oz. 75¢.

GREVILLEA.

(grev-VILL-ee-uh)

Proteaceae. Tree and shrubs native of Australia and planted for street trees or ornament; some are grown in the GH as pot places; they are fairly hardy and probably can be grown up into the (VIII) zone.

—**Banksii.**

GREV-2. 40¢

Shrub or tree to 20 ft; red fls in dense terminal racemes, 4" long; Queensland.

—**lanigara.**

GREV-10. 35¢

Woolly Grevillea. Shrub to 5 ft; covered with mass of unusual red and green fls.

—**robusta.**

GREV-45. 40¢

Silky Oak. Lovely tree fairly hardy in Australia; good specimen street tree in S; they are also grown in the GH in the N for specimen pot plants; sow seed in flats Dec-Mar; for GH. Fresh seed comes in about June; deep yellow fls. Oz. \$2.00; lb. \$30.00.

—**Wilsonii.**

GREV-60. 50¢

GREWIA.

(GREW-ee-uh)

Tiliaceae. Trees and shrubs of warm regions of the Old World; small flowers followed by fruits; ornamental.

—**occidentalis.**

GREW-5. 50¢

Ornamental shrub or small tree; native of S. Africa; purple fls; mild climates.

GRINDELIA.

(grin-DEL-ee-ah)

Gum Plant. Compositae. Western U. S. perennials bearing large yellow or disk flowers and doing well on poor soils.

—**squarrosa.**

GRIN-10. 25¢

Yellow fls, ¾" ac; 2 ft; HB or HP.

GRISELINIA.

(griz-el-LIN-ee-um)

Cornaceae. N. Z. evergreen shrubs and trees; they have attractive leathery leaves and are grown out doors in the South.

—**littoralis.**

GRIS-10. 50¢

Tree with bright glossy foliage; ornamental; (IX); 12 ft; N. Z.

GUAVA: see **PSIDIUM.**

GYMNOCLADUS.

(jim-NOK-lad-us)

Kentucky Coffee Tree. Leguminosae. The seed coat is impermeable, soak seeds 2-4 hours in concentrated sulfuric acid; wash well before planting; small lots, file seeds or try soaking them 2-6 hours in water at 195 deg. Far; sow in spring. It is a large tr.

—**dioicus.**

GYMC-1. 25¢

GYNERIUM Argenteum: see **Cortaderia Selloana.**

GYPSOPHILLA: see pg. 56.

HAKEA.

(HAH-kee-uh)

Proteaceae. Rather hardy genus in Australia; one species is the loveliest foliage plants imaginable. They need good drainage; fls in cream, white, red or purple, drought resistant; much like Grevillea; sow seed in winter or spring, carry seedlings over in flats or pots the first year.

—**acicularis.**

HAK-1. 30¢

Needle Bush. Australia.

—**laurina.**

HAK-13. 30¢

Sea Urchin. Shrub or tree to 30 ft; crimson fls; W. Australia.

—**Mixed Species.**

HAK-X. 50¢

SYMBOLS: c. s.—clean seed; d. b.—dried berries; RG—suitable for the rockery; GH—those that make good plants in greenhouse.

HALESIA. (hay-LEE-zee-uh)

Mohrodendron. Silver-Bells; Snowdrop Tree. Attractive deciduous trees native mostly of N. Amer.
—carolina. **HALE-1.** 35¢

HAMAMELIS. (ham-am-MEEL-iss)

Hamamelidaceae. Witch Hazel. Deciduous small trees or shrubs; hardy in the North. Germinate best in damp rich soil, partial shaded beds; germinating mostly the 2nd year; stratify at 65-85 degrees F. for 2 months then 3 months at 40; this is the only treatment known to partially break its dormancy.
—japonica. **HAMA-2.** 50¢

To 30 ft; Japan. **Oz.** 90¢.

HARDENBERGIA. (har-den-BERJ-ee-uh)

Leguminosae. False Sarsparilla. Hardy Australian shrubs and climbers.

—comptoniana. **HARD-6.** 50¢

The Blue Sarsparilla of W. Australia; one of the best climbing plants of Aust; fairly hardy there.

—monophylla. **HARD-3.** 30¢
(Kennedia) Semi-climber; white fls.

HARPEPHYLLUM. (harp-ef-FILL-um)

Anacardiaceae. Native of South Africa.

—caffrum. **HARP-2.** 40¢

Kafir Plum. Pretty tree to 30 ft; glossy lvs; fls white, followed by edible fruits; S. Fla. to Calif; (X); **Oz.** 90¢.

HARRISIA. (har-RISS-ee-uh)

Cactaceae. Arching and vine-like night-blooming Cacti; Fla-Argentina.

—fragans. **HARR-16.** 50¢

—Guellichii. **HARR-20.** 50¢

—Simpsonii. **HARR-40.** 50¢

—Mixed. **HARR-X.** 50¢
Contains also Guellichii, Martinii and Simpsonii.

HEATHER: see *Calluna*.

HEBE. (HEE-bee)

Scroiphulariaceae. Shrubs and small trees mainly from N.Z., and formerly classified with the Veronicas. They can be grown out doors in mild climates and some under glass in the North; some make excellent evergreen hedges.

—Bollonsii. **HEBE-10.** 30¢

Pale lilac; 4" racemes; 5 ft; N. Z.; HHSh.

—Hulkeana. **HEBE-40.** 40¢

Prostrate sh to 5 ft spread; found in moist places; 8-12" spikes of large China-blue fls; rare; exquisite; N. Z.

—Lewisii. **HEBE-44.** 40¢

White and blue fls, ½" ac, in racemes; 6 ft; mild climates; (X); N. Z.

—macrantha. **HEBE-46.** 40¢

Rare; largest flowered, pure white; sun; 12"; HHSh.

—rotundata. **HEBE-56.** 50¢

Salicifolia. **HEBE-63.** 40¢

...White fls in 6" racemes; 12 ft; N. Z.

—speciosa. **HEBE-64.** 35¢

Dark reddish or violet-purple fls; ½" ac, in 4"-long racemes; 4-6 ft; (IX); N. Z....

—Andersonii. **HEBE-64A.** 30¢

—Mixed. **HEBE-X.** 30¢

HEDERA. (HED-er-uh)

Ivy. Araliaceae. Evergreen climbing shrubs grown for ground cover in shady spots; some wall climbers; seed takes up to 2 years to germinate.

—Helix. **HEDR-4.** 25¢

English Ivy. **c. s. Oz.** 50¢; **lb.** \$2.00.

—hibernica. **HEDR-4L.** 40¢

Leaves larger, 6" across. **Oz.** 50¢.

HEDYCHIUM. (hee-DIK-ee-um)

Ginger-Lily. Zingiberaceae. Robust tropical perennials mainly from India. Grown in the GH or in the far South. Flowers are showy and fragrant; rich soil and plenty of moisture.

—coccineum augustifolium. **HEDY-4A.** 30¢

Shorter lvs; salmon-pink fls; 6 ft; TP.

—coronarium. **HEDY-5.** 30¢

Garland Flower. White; 6 ft; very fragrant; TP.

—Red. **HEDY-5R.** 30¢

Oz. 60¢.

—Hedychiums Mixed. **HEDY-X.** 25¢

HELENIUM. (he-LEE-ne-um)

Compositae. Mainly perennials; few annual, flowering in summer and fall. Thrive in fairly rich soil and a sunny place; makes excellent plants for the border or wild garden; easily grown from seed started early in the spring or as late as July.

—autumnale. **HELE-2.** 25¢

Heads 2" ac; lemon-yellow, disks yellow; 6 ft; HP.

—Bigelovii. **HELE-3.** 25¢

Rays yellow, disks brown; heads 2-3 in. ac; 6 ft; HP.

—Hoopeesii. **HELE-6.** 25¢

Flowers 3" ac; 3 ft; HP. **Oz.** 70¢.

—Mixed Heleniums. **HELE-X.** 25¢

HELIANTHEMUM. (hee-lee-ANTH-em-um)

Sun-Rose. Cistaceae. Perennials thriving in dry limestone soils, in full sunshine. They are excellent border plants or rockery and some for ground cover; colors in yellow, rose, white and purple; July-Sept.; they have a long flowering period and should be cut back hard after flowering.

—Ben Strain. **HELM-11.** 30¢

All the colors; 6 inches.

—nummularium. **HELM-13.** 25¢

Various colors; 1 ft; (IV).

—roseum. **HELM-13R.** 25¢

Pink and rose shades.

HELANTHUS

Sunflowers. Compositae. Showy annuals and perennials, with fls ranging from 1" to 12" across and in height from 3-20 ft. They are showy in background plantings; also ideal bird food for the winter months; plant as early in the spring as possible but to miss heavy freezes.

—angustifolia. **HELA-1.** 25¢

Swamp Sunfl. Attractive in background; 6 ft; purple disks; HP.

—Abendsonne. **HELA-2AS.** 20¢

Beautiful new intermediate German var.

—Aureole Rheinland. **HELA-2AR.** 25¢

Wine-red zone on pure yellow ground.

—Chrysanthemum Flow'ed. **HELA-2CF.** 25¢

8-10 ft; fls 6-8" ac; nice petals and double out to edge; try pinching out terminal.

—Double Gold. **HELA-2DG.** 25¢

Golden yellow; excellent for cutting.

—Dwarf Yellow. **HELA-2DY.** 25¢

Dwarf; double fls; white seeded.

—Dwarf Double. **HELA-2W.** 25¢

Double golden yellow; variegated lvs; 5'.

—Goldenener Neger. **HELA-2NG.** 25¢

Intermediate; golden petals; showy.

—Golden Tufts. **HELA-2GT.** 25¢

Orange-yellow.

—Excelsior Hybrids. **HELA-2H.** 25¢

Chestnut-red and brown zoned fls; tipped with yellow; 3-4 ft. Oz. 60¢.

- Jupiter.** HELA-2J. 25¢
Rich yellow self; black seed; 6 ft.
- Mars.** HELA-2M. 25¢
Yellow with a dark brown center; black seed; 5 ft.
- Miniature Stella.** HELA-2MS. 25¢
Golden yellow.
- Primrose.** HELA-2PR. 25¢
Oz. 50¢.
- Miniature.** HELA-2M. 25¢
Small golden yellow fls on 5 ft stems.
- Rheinland.** HELA-2RL. 20¢
Intermediate; wine-red on yellow ground 6 ft; Oz. 45¢.
- Southern Cross.** HELA-2SC. 25¢
Yellow self with flowers 10-12 inches across; 4-5 ft.
- Henry Wilde.** HELA-2HW. 25¢
Single yellow with black center. Oz. 50¢.
- Mixed Sunflowers.** HELA-X. 20¢

HELICHRYSUM. (hel-ik-KRYE-sum)

Everlastings. Compositae. The Strawflower, *H. bracteatum*, is the commonly grown species; sow seed in rows in April or May or they can be started earlier indoors for early bloom; for drying cut before the flowers open much.

- bracteatum, Mixed.** HELI-4X. 20¢
Heads 2½" ac; 3 ft; HA. Oz. \$1.25; lb. \$3.
- Crimson.** HELI-4C. 20¢
- Fireball.** HELI-4S. 20¢
- Golden Globe.** HELI-4G. 20¢
- Snowball.** HELI-4W. 20¢
- Yellow.** HELI-4Y. 20¢
- Any above: Oz. 80¢; lb. \$8.50.
- Tom Thumb Mixed.** HELI-4TX. 20¢
A dwarf double strain for bedding or edging.

OTHER HELICHRYSUM SPECIES:

- angustifolium.** HELI-1. 25¢
Narrow leaved; fol. white; yellow fls; HHP.
- apiculatum.** HELI-3. 25¢
Australian Everlasting. 2 ft; fls in terminal corymbs, golden yellow; treat as HA in N; perennial.
- bellidioides.** HELI-5. 30¢
Trailing woody; N. Z.; silvery white heads HHP.
- argyrosphierum.** HELI-9. 35¢
- Doerfleri.** HELI-7. 30¢
South Rhodesian Strawflower.
- fulgidum.** HELI-11. 35¢
Pretty; from South Rhodesia.
- monocephalum.** HELI-11M. 30¢
With yellow flowers.
- obcordatum.** HELI-14. 50¢
Gray Everlasting; small shrub to 5 ft; golden yellow fls; Australia.
- pachyrum.** HELI-15. 40¢
Dwarf slender woolly; heads deep pink; South Rhodesia.
- species (?)** HELI-21. 30¢
Has little pink fls; pretty; S. Rhodesia.
- swynnerionii.** HELI-22. 40¢
White flowered species from S. Rhodesia.

HELIOPSIS. (hee-le-OP-siss)

Compositae. Hardy perennials with flowers much like *Helianthus*; 2 inches across and growing to 5 ft. They are excellent in the border and make good cut-flowers; sow seed from early spring up to August, usually where they are to grow; C-23.

- helianthoides.** HELO-1. 25¢
Many yellow heads 2½" ac; 5 ft; HP.
- Pitcheriana.** HELO-1P. 25¢
A deep rich yellow.
- scabra major.** HELO-4. 25¢

Golden yellow; 5 ft; HP; C-23.

—**Mixed.** HELO-X. 20¢

HELIOTROPIUM. (he-le-oh-TROH-pe-um)

Heliotrope. Boraginaceae. Very fragrant flowers some kinds favorite GH plants and can be grown outdoors in the border; treat them as TA; C-23.

ARBORESCENS: This is the original species; all the improved garden forms are hybrids and selections from it; HHA; space one foot apart; C-12.

- Giant Valencia.** HELR-2V. 25¢
A large flowered French variety.
- Souvenir.** HELR-2S. 25¢
Another large flowered French variety.
- Madam Bruant.** HELR-2B. 25¢
- Marina.** HELR-2M. 25¢
A giant dark blue German variety. ½ Oz. 80¢.
- Mammoth Flowered.** HELB-2MF. 25¢
- Dark Varieties.** HELR-2DX. 25¢
- Dark Blue.** HELR-2RB. 25¢
A dark blue dwarf variety.
- Regale Dwarfs.** HELR-2RD. 25¢
Dark blue flowers.
- Olympic.** HELR-2P. 25¢
- King of the Blacks.** HELR-2K. 25¢
Dark violet flowers.
- Giant Lemoinii.** HELR-2L. 25¢
Giant flowers, mixed colors.
- Above Mixed.** HELR-2X. 25¢

HELIPTERUM

Everlastings. Compositae. Annuals from S. Africa, treated as HHA in the North; easily grown started indoors or planted out-



HELIPTERUM — *roseum* (Strawflower)

side the end of May; the genus *Rhodanthe* is now listed in this genus as well, also, the species *roseum* of *Acroclinium*; C-7.

- chinense.** HELP-4. 30¢
Late flowering shrub; 5 ft; HHS.
- Humboldtianum.** HELP-5. 25¢
A neat little plant with golden flower-heads; July-Aug; 1 ft; HA; space 10"; C-7.
- Manglesii.** HELP-8. 25¢
Charming dwarf annual formerly listed under *Rhodanthe*; bears clusters of dainty nodding bright rose flower-heads; July-Sept; HA; space 1 ft; C-7.
- maculatum.** HELP-8M. 25¢
Swan River Daisy. Bracts spotted red; 18 inches; HHA; C-7.
- Rose Center.** HELP-8Z. 25¢
- White.** HELP-8W. 25¢
- roseum.** HELP-10. 25¢
Usually listed under *Acroclinium*; a fine "everlasting"; as well as showy in the border; single fls; (C-1); HA; July-Sept.
- Sanfordii:** see *Humboldtianum*.
- Mixed Helipterum.** HELP-X. 25¢

GYP SOPHILA.

(gip-SOFF-il-ah)

Baby's Breath. Caryophyllaceae. Hardy annuals and perennials of great value as cut-flowers; some are good RG plants. The flowers are small and numerous, in yellow, white or rose, one makes good "everlasting" flowers.

G. ELEGANS: Hardy annuals grown mainly for cut-flowers; they are valuable for this purpose. Succession planting can be made every week during spring months. In the South they should be planted in the fall; blooms in 6-8 weeks; 2 ft; C-2.

—**Super White.****GYP-5M. 20¢**

A special market growers strain. Oz. 50¢; lb. \$2.00; 5 lb. for \$6.00.

—**London Market.****GYP-5L. 20¢**

English growers strain. Same prices as above.

—**Carmine.****GYP-5C. 20¢**—**Crimson.****GYP-5S. 20¢**—**Rose.****GYP-5Z. 20¢**—**White.****GYP-5W. 20¢**—**Blend of Above.****GYP-5X. 20¢**

Oz. 50¢; lb. \$2.00. Above Colors.

GYP SOPHILA SPECIES:—**acutifolia.****GYP-1. 40¢**

White fls, larger than *G. paniculata*; Cas-cus; HP.

—**cerastioides.****GYP-3. 30¢**

Mouse-ear *G.* Downy; creeper, 3"; white RG; HP.

—**Manginii.****GYP-12. 35¢**

Mongolian *G.* Rosy white fls in small panicles; HP.

—**muralis.****GYP-13. 35¢**

Charming dwarf species for RG; small rose colored fls on slender stems; June-Sept; 6-9"; HA; space 9"; (mew-RAY-liss).

—**Oldhamiana.****GYP-15. 30¢**

Bright flesh-pink fls; mid-summer to frost 3 ft; HP.

—**pacifica.****GYP-16. 30¢**

Pale rose or purple fls; 3 ft; Siberia; HP

—**paniculata.****GYP-18. 20¢**

Baby's Breath. It grows 2-3 ft; small white fls that make up very well in bouquets or for dried flowers; HP; DW.

—**Single White.****GYP-18W. 20¢**

A select strain. Oz. 90¢; lb. \$9.00.

—**Double White.****GYP-18DW. 30¢**

Oz. \$4.00.

—**repens Pink.****GYP-21P. 30¢**

Trailer to 6"; blooms early; RG; HP. Oz. \$1.75; LW; C-23.

—**White.****GYP-21W. 30¢**

Oz. \$1.65.

HELLEBORUS.

(hel-le-BOH-rus)

Christmas Rose, Helebores. Ranunculaceae. Perennials blooming very early in the spring, even late winter; thrive in rich moist soil and partial shade. Sometimes forced under glass; stratify seed during winter and sow in spring or late in fall; DC; C-23-24.

—**lividus. (corsicus)****HELB-9. 50¢**

Pale slate-blue fls in clusters; *corsicus* is supposed to be greenish (?); 18"; HP; best time to divide plants is after flowering.

—**niger.****HELB-10. 50¢**

Christmas Rose. White fls; 1½ ft; hardy; HP. Oz. \$2.50.

—**maximus.****HELB-10M. 50¢**

Has larger flowers.

—**odorus v. cupreus.****HELB-12C. 50¢**

Copper-colored fls; 15"; HP.

—**atrosanguineum.****HELB-12A. 50¢**

Red flowers; HP.

—**olympicus.****HELB-13. 50¢**

White flowers; HP.

—**viridis.****HELB-18. 30¢**

Yellowish green fls; 2 ft; HP; (VIHR-id-

us). Oz. 80¢; lb. \$6.00.

—**Mixed.****HELB-X. 40¢****HEMEROCALLIS.**

(hem-er-oh-KAL-is)

Day Lily. Liliaceae. Mainly tuberous rooted perennials easily grown from seed.

—**Middendorffii.****HEMO-21. 50¢**

Broad Dwarf Day-lily. Pale orange fls; 1 ft; Siberia.

—**Ferrick Hybrids.****HEME-6FX. 50¢**

Mrs. Ferrick's very best hybrids; seed from very choice crosses.

—**Peerless Blend.****HEME-XP. 30¢**

From hand pollinated varieties including reds and pinks.

HERACLEUM.

(hehr-ak-KLEE-um)

Cow-Parsnip. Urtelliferae. Course herbaceous perennials used for bold effect in the border or wild garden; flowers pink or white, and very small and in large umbels; sow seed in the fall to germinate in the spring.

—**Mantegazzianum.****HERA-2. 30¢**

Deeply cut white fls in umbels to 4 ft. ac; 9 ft; HP; try sowing seed in fall to germinate in the spring; C-23.

HERBERTIA.

(her-BERT-ee-ah)

Iridaceae. Bulbous plants with basal lvs; Texas to Chile.

—**pulchella.****HERB-2. 35¢**

(pull-KELL-ah).

HESPERANTHA.

(hes-per-AN-thah)

Iridaceae. Tender S. Af. bulbous plants very similar to *Ixias*; flowers star-shaped, opening in the evening; fragrant; sunny spot; sandy loam with some peat; treat as pot plant in North.

—**Bauri.****HESP-1. 50¢**

Bright rose-red fls; 2 ft; Transvaal.

HESPERIS.

(HES-per-is)

Rocket. Cruciferae. Hardy biennials and perennials of erect branching habit, bearing white, rose or mauve-purple fls in pyramidal spikes; excellent cut-flowers; June-July; 1-3 ft; fragrant; sow seeds any time up to August for flowers the following season.

H. MATRONALIS: Sweet Rocket. The commonly grown garden species. Perennial but sometimes biennial; hardy in the North; sow seed a year before they are to bloom; C-23.

—**White.****HESP-6W. 20¢**—**Red.****HESP-6R. 20¢**—**nana candidissima.****HESP-6C. 20¢**

A dwarf form; pure white fls.

—**Violet.****HESP-6V. 20¢**—**Mixed.****HESP-6X. 20¢**

Any of Above: Oz. 45¢; lb. \$2.00.

HESPEROYUCCA.

(hes-per-oh-YUK-ah)

Liliaceae. One species from S. Calif. much like the *Yucca* hardy in the (X) zone.

—**Whipplei.****HSPR-1. 35¢**

Creamy white fls, 2" ac; fragrant; in nodding panicles; TP.

HETEROMELES.

(het-er-ooH-MEE-leez)

Rosaceae. One species native of Calif. a nice shrub and much planted, especially for its attractive berries.

—**arbutifolia.****HETM-1. 40¢**

(ar-bew-tif-FOH-lee-us) Christmas Berry. One evergreen shrub native of Calif and a popular source for Xmas berries.

25¢ for sample Saier's Garden Magazine.

HETEROMORPHA.—*trifoliata*.**HETO-1.** 30¢**HETEROPAPPUS.** (het-er-oh-PAP-pus)Compositae. Hardy Asiatic perennials allied to *Boltonia*; nice border plants.—*Blaugrithi*.**HETP-1.** 35¢**HEUCHERA.**

(HEU-her-ah)

Alum-Root. Saxifragaceae. Herbaceous perennials, usually of dwarf compact habit, flowering in June-Sept and valued for a low border or RG; sunny place; good loamy soil seeds germinate best warm and in light.

H. SANGUINEA: Commonly grown species found on cliffs and hills; LW; C-23.—*Spitfire*.**HEU-20S.** 25¢

Very pretty large scarlet flowered type.

—*splendens*.**HEU-20P.** 25¢

Dark crimson variety.

—*Hybrids and Mixed*.**HEU-X.** 25¢

¼ Oz. \$3.00.

OTHER SPECIES:—*cylindrica* v. *glabella*.**HEU-7G.** 25¢

Yellowish green fls; 2½ ft; HP.

—*maxima* hybrids.**HEU-12M.** 30¢**HIBISCUS.**

(hye-BISK-us)

Rose Mallow. Malvaceae. Tender plants to trees with showy flowers in many colors. The annuals should be sown in pots or bands or direct to the garden; rich soil with moisture; C-8.

—*coccineus*.**HIBS-5.** 30¢

Rose-red to crimson 6" ac; 10 ft; swamps in Ga.

—*grandiflorus*.**HIBS-21.** 30¢

To 6 ft; pale pink fls with reddish color in bottom; petals to 6" long.

—*Manihot*.**HIBS-26.** 30¢

Yellow to white, dark brown centers, 9" ac; 9 ft.

—*militaris*.**HIBS-27.** 30¢

White or pink fls; purple centers; 5" ac; 6 ft.

—*Moscheutos*.**HIBS-28.** 30¢

(mos-KAY-eu-tus) Pink, rose or white; 8 ft; HP.

—*alba*.**HIBS-28W.** 30¢—*mutabilis*. (mew-TAB-il-iss) Cotton Rose; various colors; (IX).**HIBS-29.** 50¢—*paramutabilis*.**HIBS-33.** 30¢Similar to *mutabilis*; broader sepals.—*Rosa-sinensis*.**HIBS-36.** 50¢

Rose of China. Sh to 30 ft.

—*Sabdariffa*.**HIBS-37.** 35¢

Roselle or Jamaica Sorrel. Sub-tropical plant grown for its fleshy calyx; used in making jams, etc. Bushy; 4 ft; attractive maroon fls; set plants 5 ft apart; sow early in spring; grow like tomatoes.

—*syriacus*.**HIBS-41.** 30¢

(sihr-RYE-ak-us) Rose of Sheron. (IV). Oz. 75¢; lb. \$4.00.

—*flo-a pleno*.**HIBS-41D.** 35¢

Double fls; (IV). Oz. 80¢; lb. \$4.25.

—*Trionum*.**HIBS-45.** 30¢

Flower-of-the-Hour. Yellow or white, with dark centers; 2 ft; HA.

—*Mixed Species and Varieties*. **HIBS-X.** 25¢**HIERACIUM.**

(hy-er-AY-shi-um)

Compositae. Perennials with red, orange or yellow flowers, some of which are called Hawk-weed. Easily grown; leaves in rosettes with the flowers in heads on erect spikes; cut fls off directly after flowering will check the reseeding.

—*aurantiacum*.**HIER-3.** 35¢

Devil's Paint Brush. Orange fls; 15"; HP.

—*faeroseus*.**HIER-6.** 30¢—*pilosum*.**HIER-14.** 50¢—*villosum*.**HIER-19.** 25¢

Bright golden yellow; 2 ft; HP.

—*Mixed*.**HIER-X.** 25¢**HIPPOPHAE.**

(hip-POFF-uh-ee)

Sea-Buckthorn. Elaeagnaceae. Shrubs and small trees covered with silvery scales; sow seed in the fall to germinate in the spring; for flowers keep till sex is determined.

—*hamnoides*.**HIPO-1.** 30¢

Sea Buchthorn. Bright orange-yellow fls; to 30 ft; very hardy; (ram-NOY-deez). c. s. Oz. 60¢; lb. \$4.00.

HOHERIA.

(hoh-HEER-ee-uh)

Malvaceae. A genus of ornamental flowering trees confined to N.Z.; they can be grown out doors in the (X) zone.

—*angustifolia*.**HOHE-2.** 50¢

Straggling and interlaced; eventually becoming slender and spreading; bears masses of white fls; 15 ft; (IX); N.Z.

—*populnea*.**HOHE-7.** 50¢

Most beautiful tree with handsome foliage covered in autumn with sheets of white starry fls often concealing the lvs; 12 ft; try in pots; (IX); N.Z.

—*Osbornei*.**HOHE-10.** 50¢

Uncommon free-blooming form; white fls with bluish purple stamens; under surface of lvs deeply tinted; recommended highly; try it in pots; (X); 10 ft; N.Z.

—*purpurea*.**HOHE-10P.** 50¢

Leaves with coppery veins and under surface; hybrid of Duncan and Davies; 18 ft; (X).

—*N. Z. species*.**HOHE-X****HOLLYHOCKS**

(Althaea rosea). Malvaceae. They are perennials excepting a few annuals. Do best in a rich soil and warm place sheltered from strong winds; seed can be started from early spring to August; C-23.

ANNUAL TYPES: When planted early in the spring they flower the same year; they are not as high as the hardy types; July.—*Indian Chief*.**HOLY-3C.** 20¢

Half double; deep amaranth-purple; 4 ft.

—*Indian Spring*.**HOLY-3D.** 20¢

Rose and pink shades; 4 ft. Oz. 80¢.

—*Indian Summer*.**HOLY-3S.** 20¢

Double pink fls.

—*Mixed*.**HOLY-3X.** 20¢**PERENNIAL VARIETIES:**—*Allegheny Mixed*.**HOLY-2A.** 20¢

Semi-double 5" ac; petals fringed.

—*Colorado Sunset*.**HOLY-2C.** 25¢

New strain; buff-apricot; pretty; double.

CHATER'S DOUBLE: These grow 6 ft and are the best double strain. Colors are the finest. Oz. \$1.75.—*Carmine*.**HOLY-4C.** 20¢—*Carmine-rose*.**HOLY-4R.** 20—*Cream*.**HOLY-4M.** 20¢—*Crimson*.**HOLY-4CM.** 20¢—*Lavender*.**HOLY-4V.** 20¢—*Lilac*.**HOLY-4L.** 20¢—*Pink*.**HOLY-4K.** 20¢—*Purple*.**HOLY-4P.** 20¢—*Deep Scarlet*.**HOLY-4S.** 20¢—*Sulphur-yellow*.**HOLY-4Y.** 20¢—*Violet*.**HOLY-4T.** 20¢—*Pure White*.**HOLY-4W.** 20¢—*Salmon*.**HOLY-4A.** 20¢—*Deep Rose*.**HOLY-4Z.** 20¢—*Chater's Mixed*.**HOLY-4X.** 20¢

Any of above varieties: ½ Oz. 80¢.

HEVEA.—*brasiliensis*.

(HEE-vee-uh)

HEVA-1. 50¢

Para Rubber; Caoutchouc Tree. Grown in GH; (X); (braz-il-ee-EN-siss) 100 seed \$3.50.

HOLMSKIOLDIA. (holm-skee-OLD-ee-uh)

Verbenaceae. Shrubs hardy in the South or in the greenhouse in the North.

—*sanguinea*.**HOLM-1. 30¢**

Chinese Hat Plant. Ev. tree to 30 ft; can be grown out doors in S; (X).

HOMERIA.

(ho-MER-ee-ah)

—*collina*.**HOME-1. 35¢**

Beautiful clear orange fls; fugacious but plentiful; 1½ ft; easy; S. Af; grow like Ixia; HBB; (VII).

HOMOGYNE.

(ho-MO-gee-ne)

Small perennials with white or purple heads; found in the mountains of C. Eur.; they thrive in moist soils.

—*alpina*.**HOMO-1. 35¢**

Yellow fls; 6"; HP.

HORDEUM.

(HORD-ee-um)

—*jubatum*.**HORD-1. 25¢**

Squirrel-tail Grass. Drooping spikes; 2½ ft; HB or Per.

HOVENIA.

(hoh-VEEN-ee-uh)

—*dulcis*.**HOVA-1. 50¢**

Japanese Raisin-tree. Easy; (TV).

HOWEA.

(HOW-ee-ah)

—*Belmoreana*.**HOWE-1. 75¢**

(Kentia B) Greenhouse Palm of great beauty as tub plant. 100 seeds \$5.00; 1,000. \$23.00.

—*Forsteriana*.**HOWE-2. 75¢**

(Kentia F.) Excellent greenhouse Palm; tubs. 100 seeds \$4.00; 1,000, \$20.00.

NOTE: These should be fresh and therefore orders may be delayed in filling; if you wish them in quantity, book your order well in advance.**HOWITTIA.**—*trilocularis*.**HOWI-12. 35¢**

Tall shrub carrying masses of purple fls, 1" across; like a small Hibiscus blossom.

HUDSONIA.

(hud-SOH-nee-uh)

Beach-Heather. Small ev. shrubs with awl-like leaves and solitary yellow fls. Colonize in sandy soil; difficult to grow.

—*ericoides*.**HUDS-1. 25¢**

Golden Heather. 6" bushy green shrub; golden mass of fls; seeds delivered in July; barren sandy soil.

—*toментosa*.**HUDS-4. 35¢**

Tufted plant; golden fls; 8 inches; HP.

HUMULUS.

(HEW-mee-lus)

Hop. Moraceae. Tall hardy twining vines; very ornamental for porches, etc; C-9.

—*japonica*.**HUMU-3. 25¢**

One of the most rampant and rapid growing of all climbers. Sow seed in pots in cold frame in April or where they are to grow; give support immediately; HA; 10-20 ft. Oz. 90¢; lb. \$5.50.

—*variegatus*.**HUMU-3V. 25¢**

Foliage streaked and splashed with pure white. Oz. 90¢.

—*Mixed*.**HUMU-3X. 20¢****HUNNEMANNIA.**

(hun-em-MAN-ee-uh)

—*fumariaefolia*.**HUNN-1. 25¢**

Santa Babara Poppy; Golden Cup. Yellow fls, 3" across; 2 ft; warm sunny spot;

grow as TA; TP.

—*Sunlite*.

A bright yellow variety.

HUNN-1S. 25¢**HURA.**

(HEW-ruh)

—*crepitans*.**HURA-1. 50¢**

Sand-box Tree. Greenhouse; (X). 100 seeds \$4.50. (krep-id-DAY-tans).

HYACINTHUS.

(hye-uh-SINTH-us)

Hyacinth. Liliaceae. Bulbous plants of great garden value; some listed were formerly under Galtonia and Muscari. Bulbs can be had in the fall; see bulb list.

—*amethystinus alba*.**HYAC-1A. 25¢**

Nodding white fls; 6" high; Spain; HP. (am-meth-THIST-in-us)

—*candicans*; see *Galtonia candicans*.—*ciliatus*.**HYAC-2. 40¢**

(azureus) Daintiest of the H; has short stems; China-blue; 3 inches.

HYDRANGAEA.

(hye-DRAYN-jee-ah)

Saxifragaceae. Ornamental shrubs with showy terminal flowers.

—*paniculata*.**HYDR-15. 35¢**

To 30 ft; white fls. Lb. \$5.00.

HYDRASTIS.

(hye-DRASS-tiss)

—*canadensis*.**HYGS-1. 40¢**

Golden Seal.

HYDROPHYLLUM.

(hye-droh-FILL-um)

—*capitatum*.**HYDP-4. 40¢**

Water Leaf. Woods flower; pink; 3"; HP

HYMENANTHERA.

(hi-men-ANTH-er-uh)

—*crassifolia*.**HYMN-4. 50¢**

Low growing shrub with white berries; good for banks; 4 ft; (IX); N. Z.

—*obovata*. (ob-oh-VAY-tah)**HYMN-12. 50¢**

Very variable sh; gray bark and purple berries; 6 ft; (IX); N. Z.

HYMENOSPORUM.—*flavum*.**HYMP-1. 30¢**

Yellow fls; Australian tree or shrub to 50 ft; (IX).

HYOSCYAMUS.

(hy-oh-SYE-am-us)

Henbane. Solanaceae. Funnel-shaped fls in spikes, best in poor soils. They should be used in large borders; some are grown for medicinal purposes.

—*niger*.**HYOS-3. 30¢**

Greenish yellow fls, veined purplish; 2½ ft; HB or HA.

HYPERICOPHYLLUM.—*compositarum*.**HYPE-1. 30¢**

Pretty Rhodesian flower; 3-4 ft; bright orange.

HYPERICUM.

(hy-PEHR-ik-um)

St. John'swort. Hypericaceae. Very decorative perennials and shrubs, usually with bright yellow fls and many showy stamens. Grow best in a sandy loam in partial shade; they are not hardy in the North but with shelter and in protected spots can be grown in zone (IV); C-23.

—*calycinum*.**HYPR-12. 50¢**

Seed is very fine; sow carefully. c. s. Oz. \$1.00; lb. \$12.00.

—*Coris*.**HYPR-18. 50¢**

Sub-sh; 1 ft; fls in cymes; (VI)

—*Hookerianum*.**HYPR-40. 35¢**

Sh to 6 ft; fls 2½" ac; far S; (X).

—*olympicum*.**HYPR-58. 40¢**

Shrubby; 9" high; large deep golden fls; HHS.

- patulum.** **HYPR-60.** 40¢
Shrub to 3 ft; fls 2" ac; Japan; (V). c. s.
Oz. \$100; lb. \$12.00.
- polyphyllum.** **HYPR-63.** 40¢
Golden fls; sh; 6"; (VIII); Cilicia
- Henry.** **HYPR-60H.** 40¢
- repens.** **HYPR-70.** 40¢
Golden carpet in late summer; prostrate shrub; (IX).
- grandiflorum.** **HYPR-70PR.** 40¢
Large plain flowers.
- Mixed.** **HYPR-X.** 25¢

- HYPOXIS.** (hye-POZ-iss)
—**species (?)**. **HYPX-4.** 25¢
Golden flowers; S. Rhodesia.

- HYSSOPUS.** (HISS-op-us)
Hyssop. Ornamental herbs useful as a culinary or medicinal herb. Light soils; lime; See Herb List.
—**officinalis.** **HYSS-1.** 25¢

- IBERIS.** (y-BEE-ris)
Candytuft. Cruciferae. These come in half-hardy annuals and evergreen perennials; easily grown from seed. The annuals can be sown the later part of May; germinate quickly and flower in a short time; in the South sow in the fall. Keep plants growing and well watered; clip the seed pods off as they easily go to seed; C-2.

- I. AMARA.** (coronaria) Rocket Candytuft. Erect annuals; 1 ft; usually with large umbel-like flower heads; C-2.
—**Giant White.** **IBER-2H.** 25¢
Large reselected florist strain. **Oz. 60¢.**
—**Giant Hyacinth-flowered.** **IBER-2F.** 25¢
Extra select strain; large compact heads.
—**coronaria.** **IBER-2C.** 20¢
Flowers with white crown; pretty type.
—**Empress nana.** **IBER-2E.** 20¢
Dwarf, large white spikes.
—**princeps.** **IBER-2P.** 20¢
Very dwarf but with large heavy white spikes.
—**White Rocket.** **IBER-2R.** 20¢
Will stand more unfavorable conditions.
—**Miniature Gem.** **IBER-2M.** 20¢
New; 4 inches high with 4-6 spikes per plant; nice edging.
—**Above Mixed.** **IBER-2X.** 20¢

- I. UMBELLATA:** Globe Candytuft. Half hardy annuals; not fragrant; commonly grown in the garden; C-2.
—**White.** **IBER-17W.** 20¢
—**Carmine.** **IBER-17M.** 20¢
—**Mixed.** **IBER-17X.** 20¢

OTHER SPECIES:

- affinis.** **IBER-1.** 20¢
Erect to 16 inches; white fls with lilac tinge; HA.
- jucunda.** **IBER-4.** 25¢
Aethionema coridifolium) 4-6"; rosy lilac fls in racemes; HP; C-23.
- gibraltaria.** **IBER-5.** 25¢
Edging; large purple fls in flat clusters; 10 inches; TP; C-23.
- saxatilis.** **IBER-12.** 40¢
Edging Candytuft. 12"; evergreen; white fls RG; HP.
- sempervirens.** **IBER-14.** 20¢
Pure white; edging; everg'n; HHP; C-23.
- Above species Mixed.** **IBER-X.** 20¢

IBICELLA.

Martyniaceae. S. Amer. plants; fls are in dense compact terminal racemes.

- lutea.** **IBIC-2.** 35¢
(Marthynia, Proboscidea) TA; 1½ ft; fls greenish yellow; fruits are used as pickles;

Argentina.

IBOZA.

- riparia.** **IBOZ-5.** 35¢
Ginger Plant. Creamy white fls; dark anthers; grow much like Salva or Coleus; S. Africa.

ILEX

Aquifoliaceae. Evergreen and deciduous trees and shrubs having glossy leaves and brilliantly colored berries. They are very ornamental but some species are not hardy in the North. They require an acid soil and the germination of the seed will be more successful if the soil used is mostly peat or decayed saw dust. Seed should be stratified as they germinate the second year.

- Aquifolium.** **ILEX-2.** 35¢
English Holly. c. s. **Oz. 40¢; lb. \$2.40.**
- variegatis.** **ILEX-2V.** 40¢
- cornuta.** **ILEX-9.** 25¢
Shrubby to 10 ft; hardy in (V).
- crenata.** **ILEX-10.** 25¢
Japanese Holly. To 20 ft; fine.
- glabra.** **ILEX-17.** 25¢
Ink-berry. Hardy in N; black fruit; for shade; evergreen.
- integra.** **ILEX-19.** 50¢
- laevigata.** **ILEX-21.** 30¢
Winter-berry. Good; scarlet berries in clusters; swamps; 6 ft.
- paraguariensis.** **ILEX-29.** 50¢
Evergreen shrub or tree to 30 ft; (X).
- verticillata.** **ILEX-37.** 20¢
Black Alder. Shrub to 10 ft; bright red berries; hardy.
- Mixed Ilex.** **ILEX-X.** 20¢

IMPATIENS

Garden Balsam; Touch-me-not. Balsaminaceae. Annuals and perennials, grown in the garden or greenhouse for their odd and showy flowers. They are all tender to frost. DW; C-8.

I. BALSAMINA: The popular garden Balsam with its rose-shaped fls in white, lavender, lemon-yellow and many shades of red; sow in April in doors or in June direct to the garden; rich sandy loam; ample moisture; 2 ft; germinates best at 75 degrees F; C-8.

- Single Mixed.** **IMPA-2SX.** 20¢
- Camelia-flowered Mixed.** **IMPA-2CX.** 25¢
- Double Bush Mixed.** **IMPA-2BX.** 20¢
Are ideal for bedding; 1 ft.
- Scarlet.** **IMPA-2BS.** 25¢
- Dwarf Mixed.** **IMPA-2DX.** 20¢
- Rose Flowered, Mixed.** **IMPA-2ZX.** 25¢

I. HOLSTII: Red-striped stems and flowers varying from white to scarlet; usually started in GH for summer border; TP; July to Oct; 1½-2 ft; space 1 ft apart; DW; C-55.

- Carmine.** **IMPA-7C.** 20¢
- Morganrote.** **IMPA-7M.** 25¢
A nice red German variety.
- Schottenglut.** **IMPA-7S.** 30¢
A fine dark red.
- Salmon.** **IMPA-7N.** 20¢
- Vermilion.** **IMPA-7V.** 25¢
- Mixed.** **IMPA-7X.** 20¢

I. SULTANII: Best known greenhouse subject; a favorite house plant and easily grown the year around; can be grown out doors during frost-free period, in shade. Sow in March at least 60 deg. F; DW; C-55.

- nana Carmine.** **IMPA-16M.** 25¢
- Karminzweg.** **IMPA-16K.** 25¢
Nice carmine variety.

INDIGOFERA.

(in-di-GO-fe-rah)

Indigo. Leguminosae. Pretty ornamental plants for the border or shrubbery, many of which are not hardy in the far North. Some can be grown in the GH or for window treatment.

—**Dosua.** **INDI-5. 25¢**
Red fls in racemes; low shrub; India; TF.

Oz. \$1.30.

—**Potantinii.** **INDI-13. 25¢**
Lilac-pink fls in racemes; hardy in North; shrub to 5 ft.

INGA.

—**dulcis:** see *Pithecellobium dulce*.
—**Saman:** see *Samanea saman*.

INCARVILLEA.

(in-kahr-VIL-ee-ah)

Bignoniaceae. Showy and fairly hardy perennials from China, producing terminal clusters of red and yellow tubular flowers above a basal group of vivid green leaves. Sow seeds up to Aug. for next season's flowers; give winter protection in the North.

—**Delaveyii.** **ICAR-2. 25¢**
Rose-purple fls, with yellow tubes; very nice; 2 ft; HP; LW; C-23.

—**grandiflora brevipes.** **ICAR-4B. 35¢**
Crimson-purple fls; Gloxinia-like; RG; 10"; HP.

—**variabilis.** **ICAR-9. 30¢**
Cream to pale rose; tubular; everbearing; easy; HB.

—**Mixed.** **ICAR-X. 20¢**

INULA.

(IN-yu-la)

Compositae. Showy herbaceous perennials, most of which are hardy in the North; large daisy-like heads of yellow or orange flowers. They make a brilliant display and grows well in average soil but requires a sunny position.

—**glandulosa.** **INUL-6. 20¢**
Solitary yellow heads; 4 ft; HP; C-23.

—**Helenium.** **INUL-9. 50¢**
Elecampane. Yellow fl-heads, 4" ac; 6 ft; N. Asia; HP.

—**Oculus-Christii.** **INUL-17. 25¢**
Pretty yellow heads; 2-3 ft; HP.

—**Royleana.** **INUL-19. 50¢**
Orange-yellow fl-heads, 4" ac; 2 ft; HP.

—**salicina.** **INUL-20. 20¢**
Golden yellow; 1½" across; 2 ft; HP.

—**aspera.** **INUL-20A. 25¢**

—**thapsioides.** **INUL-23. 20¢**

—**Mixed.** **INUL-X. 20¢**



IPOMOEAE — Cornell

IPOMOEAE

Morning Glory. Convolvulus. They are mainly twining annual and perennial vines. The genus is widely distributed and comes in many kinds and habits. They are all easily grown from seed; file a notch in

seed for better germination. All tender to frost. See *Convolvulus* and *Quamoclit* for other closely related forms.

NEW GIANT FLOWERING JAPANESE:

The flowers measure up to 8" across; protect from the wind and best results will be had by growing them in pots; be careful in watering as all Morning Glories are shy bloomers if too wet. The packets below contain 5 seeds.

—**Akatsuki No Keisei.** **IPOM-19AK. 30¢**
Deep red with white markings.

—**Beni Jishi.** **IPOM-19BJ. 25¢**
Brilliant red flowers.

—**Chiyo No Al.** **IPOM-19CA. 25¢**
Deep blue.

—**Chiyo No Okina.** **IPOM-19CO. 25¢**
Purple-red with white.

—**Chiyo No Tsuyu.** **IPOM-19CT. 25¢**
Large light sky-blue; showy white base.

—**Chiyo No Yuki.** **IPOM-19CY. 25¢**
Pure white flowers.

—**Dai Nichirin.** **IPOM-19DN. 25¢**
Deep carmine-red.

—**Ei Kau.** **IPOM-19EK. 25¢**
Deep carmine with white markings; uncommon color.

—**En Nen No Mai.** **IPOM-19EM. 25¢**
Silvery gray with white.

—**Fuji.** **IPOM-19FJ. 25¢**
Deep carmine-red.

—**Fuku Musume.** **IPOM-19FM. 25¢**
Purple-rose with a white edge.

—**Heian No Hokori.** **IPOM-19HH. 25¢**
Deep carmine-red with white edge.

—**Heian No Kasumi.** **IPOM-19HK. 25¢**
Cherry-red with white edge.

—**Heian No Yume.** **IPOM-19HY. 25¢**
Purplish rose with snow flake white.

—**Heian No Yorokibi.** **IPOM-19HO. 25¢**
Deep red with white edge.

—**Heian No Sakae.** **IPOM-19HS. 25¢**
Brown with white edge.

—**How Den.** **IPOM-19HD. 25¢**
Deep brown with white edge.

—**Hanagasa.** **IPOM-19HG. 25¢**
Deep red with lighter red markings.

—**Hyukan.** **IPOM-19RK. 25¢**
Brilliant red with white edge.

—**Kagetsu.** **IPOM-19KU. 25¢**
Deep rose sef.

—**Kiso No Tsukh.** **IPOM-19KT. 25¢**
Deep reddish brown with white.

—**Furusato.** **IPOM-19FR. 25¢**
Deep red, striped rose with white edge.

—**Haisu Arashi.** **IPOM-19HA. 25¢**
Purple-blue.

—**Himomaru.** **IPOM-HM. 25¢**
Pure white with showy red base coloring.

—**Matsu No Midori.** **IPOM-19MM. 25¢**
Light blue with white markings.

—**Mivuki Zakura.** **IPOM-19MZ. 25¢**
Rose with white.

—**Matsukaze.** **IPOM-19MS. 25¢**
Mulberry-like leaf; lovely shade of violet with white; fls to 8" across.

—**Okina No Warai.** **IPOM-19OW. 25¢**
Deep brown color.

—**Otome No Mai.** **IPOM-19OM. 25¢**
Lovely white with light red markings.

—**Suiko No Hikari.** **IPOM-19SH. 25¢**
Deep red with white markings; giant fls.

—**Shugetsu.** **IPOM-19SG. 25¢**
Lovely light brown; unusual color.

—**Sei Ran.** **IPOM-19SR. 25¢**
Deep blue with white flakes.

—**Tama Fuyo.** **IPOM-19TF. 25¢**
Mulberry-like leaf; lovely light purple.

—**Shinsekai.** **IPOM-19SK. 25¢**
Deep purplish red with white edge.

—**Tenshin.** **IPOM-19TE. 25¢**
Pure white.

—**Yashiro No Aki.** **IPOM-19YA. 25¢**
Deep brown with white markings.

- Yuki. IPOM-19YK. 25¢
Brown with white markings.
- Yoi Machi. IPOM-19YM. 25¢
Lovely shade of purple, marked white.
- Mixed. IPOM-19X. \$1.00
Contains a mixture of the varieties; 30 sds.

I. PURPUREA: Below are listed the large flowered varieties. These are excellent for the average garden and are not difficult to grow. Best in dry sandy soil; they do not flower well if too wet; 10 ft. climber; C-4.

- Blue Star. IPOM-1B. 20¢
NEW. Blue with white center.
- Cornell. IPOM-1C. 20¢
Beautiful cornelian-red, bordered with white; showy. Oz. 75¢.
- Crimson Rambler. IPOM-1CR. 20¢
Carmine with white throat. Oz. 75¢.
- Darling. IPOM-1D. 25¢
Striking wine-red with snowy white throat.
- Heavenly Blue. IPOM-1H. 20¢
Sky-blue shading to golden yellow in its throat; early strain. Oz. 75¢.
- Pearly Gates. IPOM-1P. 20¢
Pure white, faint creamy sheen in center.
- Rose Marie. IPOM-1RM. 25¢
Only double; deep rose; early.
- Scarlet O'Hara. IPOM-1S. 20¢
Dark wine-red; showy and popular.
- Summer Skies. IPOM-1SS. 20¢
Large flowered sky-blue.
- White Magic. IPOM-1W. 20¢
Large fleecy white, blending to cream in throat.
- Above Mixed. IPOM-1X. 20¢
Oz. 60¢; lb. \$5.00. Any above varieties: Oz. 75¢.

OTHER IPOMOEAE SPECIES:

- beraviensis. IPOM-5. 30¢
(I. stictocardia) From E. Africa; TP; cl.
- bona-nox. IPOM-4. 25¢
(Calonyction) Moonflower. White fls.
- dissecta. IPOM-8. 25¢
Twining perennial; white with purple throat; Texas.
- hederacea superba. IPOM-10S. 25¢
Improved form; blue or blue-purple.
- grandiflora. IPOM-10G. 25¢
Leaves are striped white in this form.
- hederifolia: see also under Quamoclit
- coccinea varieties.
- hildeheimii. IPOM-16. 25¢
- n-ctiflora: see Calonyction aculeatum.
- setosa. IPOM-34. 30¢
Brazilian M. G. Large pink fls; no thorns
- HHV.
- Above Species Mixed. IPOM-X. 25¢

IRIS

Iridaceae. The species come true from seed but the common garden varieties are hybrids and do not come true. Sow the seeds as soon as ripe or in the spring; they germinate early in the spring.

- Chamaeiris. IRIS-39. 30¢
(Pogon) Very pretty; 12"; right after the dwarf Iris; nice colors.
- Clarkei. IRIS-50. 30¢
Much like siberica; has attractive seed pods.
- Douglasiana. IRIS-65. 30¢
Native Calif-Ore; 15"; various colors.
- ensata. IRIS-69. 30¢
China. Lilac to white; 3 ft.
- Suwarowii. IRIS-69S. 30¢
- Peking Form. IRIS-69P. 30¢
- fulva. IRIS-85. 50¢
Rhizomatous; native Ill; south to Gulf.
- missouriensis. IRIS-167. 30¢
Pale pink reticulated brown stripe; lime free soil or bog.
- pumila. IRIS-193. 40¢

- Saved from pumila varieties.
- siberica. IRIS-215. 30¢
Saved from best varieties.
- spuria. IRIS-225C. 30¢
Cream variety.
- Xiphinum. IRIS-280. 40¢
Spanish Iris. From selected plants.

NOTE: If you wish fresh seed when ordering, state so and the Iris will held for new crop seed.

ISATIS.

(Y-sah-tis)

Woad, Cruciferae. Annuals, biennials and perennials. They are erect or branching with small yellow flowers from May to July; native of Medit. regions; easy to grow.

- glauca. ISAT-3. 25¢
Flowers in yellow clusters; border; 4 ft;

ISOLOMA.

HP; C-33.

- kohleria. ISOL-5. 40¢
(I. hersutum) 4 ft; GH; TP.

ISOPOGON.

- roseus. ISOP-15. 50¢
Rose Cone-flower. An attractive Aust. shrub; 2-3 ft.

IXIA.

- Mixed Species. IXIA-X. 30¢
Very early from seed; (VIII).

IXIOLIRION.

(ix-ee-oh-LIHR-ee-on)

- montanum. IXIO-2. 30¢
(I. Ledebouri) 1 ft; purple fls.

JACARANDA.

(jak-ar-RAND-uh)

Bignoniaceae. Tropical American shrubs and trees; funnellform blue or violet fls in panicles; grown in GH in North.

- acutifolia. JACA-1. 35¢
Fern-like leaves; blue fls, 1½" across; good GH subject; (X); ornamental.

JASIONI.

(jaz-e-OH-nee)

Campanulaceae. Annuals and perennials with sky-blue or white fls borne in heads; useful in border or rocky; easily grown.

- humilis. JAS-2. 40¢
Blue fls in short stalked heads, ½" ac; 9"; HP; Pyrenes.
- montana major. JAS-4M. 25¢
Pale blue fls on heads 1" ac; HB; 1 ft.
- perennis. JAS-5. 25¢
Blue fl-heads, 1" ac; 1 ft; HP; attractive little plants in light blue.

JASMINUM.

(JASS-min-um)

Jasmine. Oleaceae. Very attractive warm region shrubs; very attractive; in the North they are good GH plants.

- floridum. JASM-12. 50¢
Yellow fls ½" ac; many flowered cymes; erect; half evergreen; China.
- fruticans. JASM-15. 50¢
Yellow fls; 9 ft; (VIII).

JATROPA.

(JAT-roh-ruh)

Euphorbiaceae. Tropical plants, shrubs and trees suitable for out door growing in the South.

- multifida. JATR-6. 03¢
Coral Plant. Tender shrub to 20 ft; scarlet fls; TTr.

JUGLANS.

(JOO-glanz)

Walnut. Juglandaceae. Deciduous trees grown for their nuts, ornament and valuable lumber. Seed best planted in the fall; they

can be easily dropped into a small hole made by a cane; plant them near woods and other marginal places.

- allanthifolia.** **JUG-1. 50¢**
Tree to 60 ft; Japan. Lb. 90¢.
- cordiformis.** **JUG-1C. 50¢**
Has heart-shaped leaves; 60 ft; Japan.
- cineræ.** **JUG-4. 50¢**
Butternut. (III); grows along rivers; nut is exceptionally good. Lb. \$1.50.
- nigra.** **JUG-10. 40¢**
Black Walnut. Nuts very nice; large tree. Lb. 75¢.
- rigida.** **JUG-11. 40¢**
English Walnut. Hold seeds over in sand and plant only in the spring; (VII). Lb. \$1.00.
- Sieboldiana.** **JUG-14. 50**
- cordiformis.** **JUG-14C. 50¢**

JUNIPERUS

Juniper. Cupressaceae. Mostly small trs or shrubs; many are very ornamental and others valuable lumber.

- chinensis.** **JUNI-1. 35¢**
Very ornamental tree; hardy in (IV); Oz. 70¢.
- communis.** **JUNI-6. 30¢**
Common Jun. d. b. Oz. 50¢; lb. \$1.50.
- horizontalis glauca.** **JUNI-15. 35¢**
Blue Creeping Juniper. c. s. Oz. 60¢; lb. \$2.00.
- macrocarpa.** **JUNI-16. 25¢**
c. s. Oz. 70¢; lb. \$5.00.
- Oxycedrus.** **JUNI-23. 35¢**
Prickly Juniper. Shrub to 30 ft; (X). c. s. Oz. 70¢; lb. \$5.50.
- pachyphlaea.** **JUNI-24. 25¢**
Alligator Juniper. Tree to 60 ft. c. s. Oz. 50¢; lb. \$2.50.
- phoenicea.** **JUNI-26. 35¢**
Shrub or tree to 20 ft; (IX). Oz. 60¢.
- pseudosabina.** **JUNI-32. 50¢**
Low shrub; Turkehtan.
- recurva.** **JUNI-34. 50¢**
Tree to 30 ft; Himalayas; (IX).
- rigida.** **JUNI-35. 40¢**
Needle Juniper. Pyramidal shrub to 30 ft; hardy in N.; protect from heavy wind. Oz. 50¢; lb. \$4.00.
- scopulorum.** **JUNI-39. 40¢**
Silver Juniper. Tree to 30 ft. c. s. Oz. 90¢ lb. \$8.50.
- thurifera.** **JUNI-45. 40¢**
Tree to 40 ft; (IX). Oz. 50¢; lb. 25.75.
- utahensis.** **JUNI-46. 40¢**
Utah Juniper; (IV). c. s. Oz. 50; lb. \$4.50.
- virginiana.** **JUNI-48. 25¢**
Red Cedar. c. s. Oz. 50¢; lb. \$4.00.
- argentea.** **JUNI-48A. 40¢**
Leaves and young shoots silvery. Oz. 60¢; lb. \$4.50.

KALANCHOE

Crassulaceae. Succulent shrubby perennials with fleshy oval leaves and a mass of brightly colored flowers that last for several weeks. Grown out doors in the South and excellent greenhouse plants in the North. For winter fls start seed in the spring, using a gritty soil; sunshine; plenty of water while growing; C-56.

- Blossfeldiana** **KALA-3. 50¢**
Scarlet flowers.
- Ernest Thiede.** **KALA-3T. 50¢**
Bright red fls; 1 ft; fine.
- lanceolata.** **KALA-14. 40¢**
Orange fls on 2 ft stems.
- thyrsiflora.** **KALA-30. 40¢**
Yellow fls, ½" long; 2 ft..
- zambabwensis.** **KALA-38. 40¢**
Orange-red fls in small dense cymes; 1 ft.

—Mixed.

KALA-X. 30¢

KALMIA.

(KAL-mee-uh)

Ericaceae. Most species are hardy in the North; very ornamental evergreen shrub for sandy or peaty soils; lime-free soil; sow seed in pans of sandy peat or milled sphagnum.

- angustifolia.** **KALM-1. 30¢**
Lambkill, Sheep Laurel. 3 ft; purple or pink fls; Jnue-July; sun or shade; wet or dry; evergreen shrub.
- latifolia.** **KALM-6. 30¢**
Calico Bush; Mt. Laural. Broad-leaf ev. shrub; mass of pretty pink to white fls; June-July; prefers sandy or rocky soils. c.s. Oz. \$1.25; lb. \$9.50.

KALOPANAX.

Araliaceae. (Acantho panax).

- pictus.** **KALO-1. 30¢**
Tree to 75 ft; lvs 1 ft. ac; whitish fls in umbels; Japan.

KENNEDIA.

(ken-NEED-ee-uh)

Leguminosae. Showy trailing or climbing shrubs native of Australia and hardy to zone (IX). They are also good GH subjects.

- Comptonana:** see **Hardenbergia.**
- prostrata.** **KENN-10. 30¢**
Prostrate legume; very choice; pinkish red fls all summer; beautiful lvs; (VIII); good in hanging baskets.

KENTIA.

(KEN-te-ah)

Palmaceae. The genus has been broken up much of late. Listed here are the common trade names; C-45.

- Belmoreana:** see **Howea.**
- Forsteriana:** see **Howea Forsteriana.**

KERRIA.

(KEHR-ree-uh)

Rosaceae. Popular Chinese deciduous shrubs with green stems; ornamental; hardy in the North.

- japonica.** **KERR-1. 30¢**
Golden yellow fls, 2" ac; 8 ft.

KIGELIA.

Bignoniaceae. Trees of tropical Af; (XI); fls bell-shaped, orange or red; 2-lipped; in drooping panicles.

- pinnata.** **KEG-5. 35¢**
Sausage Tree. S. Af. tree; to 50 ft; claret fls, 3" long; curious fruits.

KNAUTIA.

Dipsaceae. Perennials with long stalked heads of fls, similar to Scabiosa.

- drymeia.** **KNAU-4. 30¢**
Reddish violet to purple fls in heads, 2" ac; 3-4 ft; Balkans; (IV).

KNIGHTIA.

Proteaceae. N. Z. trees and shrubs hardy in (X) zone.

- excelsa.** **KNIG-2. 50¢**
Tall handsome tr; distinctive upright growth; fol strong and leathery; fl buds are dark reddish velvet, opening red; timber is valuable; fine street tr and attractive to birds; 30-60 ft; (X); N. Z.

KNIPHOFIA

Tritoma, Torch Lily, Poker Plant. Liliaceae. Most striking garden plant flowering in the fall, with their dense cigar-shaped spikes of red or yellow tubular flowers. Seed sown indoors very early will flower same season;

in severe climates the plants can be dug up and wintered over in a frost-proof cellar.

- Pfitzer's Hybrids.** KNIP-1P. 25¢
Large brilliant reds; HP.....½ Oz. 90¢.
- Early Hybrids.** KNIP-1E. 25¢
California grown strain; early.
- Uvaria Hybrids.** KNIP-18. 25¢
- Royal Castle.** KNIP-18R. 25¢
Splendid colors range and in perfect form. ¼ Oz. 90¢.
- verricrea Hybrids.** KNIP-19. 25¢
Creamy white and coral-red fls; HP.
- Kniphofia Mixed.** KNIP-X. 20¢

KOCHIA.

(KOH-kee-uh)

Summer Cypress. Chenopodiaceae. Popular hedge or border plants; the foliage turns red in the fall; tender annuals; start indoors in March or outside in May; for well-shaped plants keep thinned; C-7.

- scoparia v. trichophila.** KOCH-2T. 20¢
Summer Cypress; Belvedere. This is usually listed as K. Childsii. Globular dense bushes of medium green turning red after a frost; makes nice hedges or specimen plants; plant 3-5 seeds in 3" pot, thin to one in April; 2-3 ft; space 18"; HA. Oz. 45¢.

KOELREUTERIA.

(kel-roo-TEER-ee-uh)

Sapindaceae. Trees native of Japan and China; they are very ornamental; fls in terminal panicles.

- paniculata.** KOEL-6. 25¢
Golden Rain Tree. (IV); seed can be planted in the fall or stratify and plant in the spring Oz. 75¢; lb. \$2.00.

KOLKWITZIA.

(kol-KWITS-ee-uh)

Caprifoliaceae. Showy Chinese shrubs hardy in the North; 9 ft.

- amabilis.** KOLK-1. 30¢
Beauty Bush. Very showy Chinese deciduous shrub; 8 ft; (IV); bell-shaped pink fls; May-June.

KRAINZIA: see in list under **CACTI.**

LABURNUM.

(lab-BURN-um)

Leguminosae. Ornamental shrubs and trees, most of which are hardy to (IV) zone.

- alpinum.** LABN-2. 50¢
Scotch Laburnum (Cytisus alpinum); VII.
- anagyroides.** LABN-4. 50¢
Golden Chain; Bean Tree. (VII). Oz. 60¢.
- Mixed.** LABN-X. 30¢

LACTUCA.

(lak-TEW-kuh)

Tall annuals and perennials of which only a few have ornamental value. The garden Lettuce belongs to this genus.

- Bourgei.** LACT-2. 35¢
Flower bracts and rays lilac or blue; 6 ft; HP.

LAGERSTROEMIA.

(lay-gur-STREM-ee-ah)

Lythraceae. Ornamental trees and shrubs with showy flowers in panicles followed by capsular fruits. Grown out doors in the South or as pot plants in the North.

- indica Hybrids.** LAGS-2. 25¢
Crape Myrtle. (VIII). c.s. Oz. 75¢; lb. \$3.00.
- speciosa.** LAGR-3. 40¢
(Flos-Reginae) Queen C. M. Showy tr; (IX). Oz. 65¢.
- Rose.** LAGR-3Z. 40¢
Queen of Flower. (IX). Oz. 85¢.
- Double Pink.** LAGR-3P. 40¢
Oz. \$1.75.
- White.** LAGR-3W. 40¢
Rare. Oz. \$2.00.

—**tubinata.**

—**Mixed.**

LAGR-4. 50¢

LAGR-X. 30¢

LAGUNARIA.

(lag-yew-NAY-ree-uh)

Malvaceae. One native tree from Australia; hardy up to (IX) zone.

—**Patersonii.**

LAGU-1. 30¢

(L. partersonii; fugosia) Lovely pink fls. even on young plants; beware of the sharp hairs inside the fruits.; (X). 100 sds \$1.25.

LAGURUS.

(lag-YEW-rus)

Gramineae. One ornamental annual grass.

—**ovatus.**

LAGS-1. 25¢

Hares-Tail-Grass. Attractive plume-like spikes; sow in open ground in April; to dry cut immediately after the fls open; HA; 1 ft; July-Sept; space 6".

LANTANA.

(lan-TAY-nuh)

Verbenaceae. Showy and easily grown; good pot plants or for bedding; sow seed indoors March 1st in a warm house; TP; space 1 ft. apart; C-12.

—**Brunts Dwarf Hybrids.**

LANT-8B. 30¢

LANTERN PLANT, Chinese: see *Physalis Alkekengi*.

LAPEIROUSIA.

(lap-ay-ROO-zee-uh)

Iridaceae. Cormous plants native of S. Af. and with some protection are hardy in the (IV) zone.

—**cruenaia.**

LAPE-4. 30¢

Hardy in (IV); African cormous plant.

—**Sandersonii.**

LAPE-12. 40¢

Hardy (IV).

LARIX.

(LAR-ix)

Larch. Pinaceae. Showy deciduous trees native of cold sections.

—**decidua.**

LAR-2. 35¢

European Larch. Keep seed dry; sow in the spring. Oz. 50¢; lb. \$3.50.

—**leptolepis.**

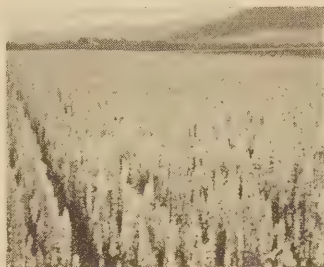
LAR-8. 35¢

Japanese Larch. Oz. 90¢.

—**occidentalis.**

LAR-12. 30¢

Western Larch. (Montana) c. s. 75¢ oz;



California Field of Giant Imperial Larkspur

LARKSPUR.

Ranunculaceae. The annual *Delphiniums*. While biennial they are grown as annuals; sow seed in cool weather — they do not germinate good if the temperature is above 60 degrees F; expose to the light when in seed pans. In the South they should always be planted in the fall; especially good for cut-flowers.

GIANT IMPERIAL: Tall, upright, compact basal branching in habit and very popular for cutting; 4-5 ft.

—**Blue Bell.**

LARK-3B. 20¢

A beautiful mid-blue color.

- Blue Spire. LARK-3S. 20¢
Deep Oxford-blue.
- Carmine King. LARK-3C. 20¢
Improved deep carmine-rose; holds color.
- Dazzler. LARK-3D. 20¢
A rich scarlet.
- Exquisite Rose. LARK-3R. 20¢
Fine rose-pink; deep.
- Los Angeles. LARK-3L. 20¢
Brilliant pink on salmon.
- Miss California. LARK-3M. 20¢
A deep rose on salmon.
- White King. LARK-3W. 20¢
Pure white.
- Mixed. LARK-3X. 15¢
Any of the Above: Oz. 90¢; lb. \$6.50.

LATANIA. (lat-TAY-nee-uh)
Palmaeae. Fan-palms hardy in the (X) zone; C-45.

- Commersonii. LATA-3. 50¢
(L. borbonica, Livistona chinensis) Palm.
100 seeds \$3.00; 1,000. \$7.50. Delivery as new seeds arrive; order early.
- Loddigesii. LATA-4. 70¢
10 seeds \$2.40; 100 seeds \$10.00. Delivery as fresh seeds arrive.

LATHYRUS. (LATH-ee-rus)
Perennial Sweet Pea. Leguminosae. They require no special care; rather erect vines and do well on low supports or embankments; (IV); keep pods picked off for longer blooming period; HP.

- cyaneus. LATH-7. 30¢
Herb; deep blue fls; sun; well drained soil; 12"; HP.
- latifolius. LATH-16. 25¢
Perennial Pea. Vine to 9 ft; white, red and rose fls; HP; C-23.
- Rose. LATH-16P. 25¢
- Lath. LATH-16R. 25¢
- White. LATH-16W. 25¢
- vernus. LATH-55. 30¢
(Orobe) Spring Vetchling; 2 ft; HP.

LAURELIA.
Monimiaceae. Tall aromatic trees native of Chile and New Zealand; hardy in (X) zone.

- novae zelandiae. LAUL-2. 50¢
Tall forest tree but attractive shrub when young; moisture and shade; (X); N. Z.

LAURUS. (LAW-rus)
Laurel, Sweet Bay. Lauraceae. In a rich peaty soil with plenty of moisture they can be grown in the (VIII) zone; they are pretty medium-sized trees.

- camphore. CINN-2. 30¢
(Cinnamomum Camphora) Sweet Bay; Laurel. (X); fresh seed best. d.b. Oz. 60¢; lb. \$3.00.
- glandulifera: see Cinnamomum glanduliferum.
- nobilis. LAUR-5. 25¢
Evergreen tr to 40 ft; the true Laurel of the florist; yellow fls. c.s. Oz. 75¢; lb. \$1.75.

LAVANDULA. (lav-VAN-dew-lah)
Lavender. Labiatae. Aromatic herbs that can be grown in (IV) zone with protection.

- hybrids. Mixed. LAVA-4X. 25¢
- officinalis. LAVA-7. 25¢
Sub-sh to 3 ft; (also listed as L. spica and L. vera); (IV). Oz. \$1.60.
- All Mixed. LAVA-X. 25¢

LAVATERA. (lav-at-TEER-uh)
Tree-Mallow. Malvaceae. Showy and very easily grown annuals. They are excellent for bedding or for cutting; C-23.

- arborea. LAVT-3. 25¢
Sh to 10 ft; pale purple-red fls; (IX); HB.
½ Oz. 50¢.
- assurgentiflora. LAVT-5. 25¢
Calif. Windbreak. Sh to 10 ft; rose-purple fls; (IX). Oz. 50¢.
- cochemiriana. LAVT-6. 40¢
Pink fls, 1½" long, HP; Himalayas.
- thuringiaca. LAVT-14. 30¢
Rose-pink, 2½ inches across; HP.
- trimesiris v. Loveliness. LAVT-15L. 25¢
One of the loveliest of all annuals, in a rich shade of rose; blooms over a long period; 5 ft; best to sow middle of April where they are to grow; C-1.
- White. LAVT-15W. 25¢
- splendens. LAVT-15S. 25¢
Rose fls. ½ Iz. 40¢.
- Mixed. LAVT-15X. 20¢
- All Mixed. LAVT-X. 20¢

LAYIA. (LAY-ee-uh)
Compositae. Early blooming annuals with yellow or white ray and disk fls in terminal heads; easy; best in a dry sunny place.

- elegans. LAYI-5. 25¢
Tidy Tips. Early flowering; low growing; HA; daisy-like yellow fls tipped white; sow in April and in succession thru May and June; do not bury seeds too deep; July-Sept; space 1 ft.

LEIOPHYLLUM. (lye-oh-FILL-um)
Ericaceae. Sand Myrtle. N. Am. low ev. shrubs with fls in terminal corymbs, followed by fruits; border or RG; in peaty or sandy loam; sow seeds in cold frame, lime-free soil.

- buxifolium. LEIO-1. 30¢
Box Sand Myrtle. Very nice 1 ft sh; ev. gr. myriads of little white fls in spring.

LEMAIREOCEREUS: see in CACTI list.

LEONOTIS. (lee-on-NOH-tiss)
Lion's Ear. Labiatae. Annuals and perennials or shrubs grown in the far S or in the GH in N, where they can be set out doors during the summer.

- dysiphylla. LEON-3. 30¢
Small leaves; orange-brown whorls; 7 ft; HHP.
- laxifolia. LEON-5. 30¢
Bronze fls in whorls; 5 ft; HHP.
- Leonurus. LEON-6. 30¢
Showy red-yellow or orange-red fls; 6 ft; TP; C-22.

LEONTOPODIUM. (le-on-toh-POH-de-um)
Compositae. Low herbaceous tufted and woolly perennials; leaves basal; fls in small heads; C-23-24.

- sibericum. LEOT-5. 40¢
Edelweiss. Fine rockery or indoor pot plant; sandy soil; HP.

LEPTOSPERMUM. (lep-toh-SPERM-um)
Tea Tree. Myrtaceae. Valuable for their wealth of flowers; grown out doors in S; (X). They make good GH subjects; C-23-24.

- laevigatum. LEPP-4. 30¢
Coast Tea-Tree. 12-20 ft; gray lvs; white fls; good wind break; (IX); germination best at around 50 Far then at 85 alternating or on year-old seed at 70. Oz. \$3.00.
- grandiflorum. LEPP-8G. 25¢
Has large pink or nearly white fls.
- Martinii. LEPP-8M. 40¢
Very rich pink hybrid; N. Z.
- Nichollsii. LEPP-8N. 40¢
Bronzy leaves; carmine fls; N. Z.
- rotundifolium. LEPP-7. 35¢
8 ft; Aust; hardy in South.

- scoparium.** LEPP-8. 40¢
White to pink fls, ½" ac; 6-8 ft; (IX); N. Z.
—**Walkeri.** LEPP-8W. 40¢
White to deep pink fls; hybrid; popular in N. Z.
—**Mixed.** LEPP-8X. 30¢
—**All Mixed.** LEPP-X. 25¢

LEPTOSIPHON: see *Gilia*.

LEPTOSYNE. (lep-toh-RYE-nee)
Compositae. California natives; by some listed with *Coreopsis*; best treated as a hardy annual up to zone IV.

- Golden Rosette.** LEPS-1. 25¢
Double bright yellow fls; see also under *Coreopsis*; C-7. Oz. \$1.00.

LESCHENAULTIA.

Goodeniaceae. Aust. Heath-like plants and shrubs; in X zone.

- biloba.** LESE-3. 50¢
Famed Australian blue flowered shrub; does well in poor sandy soil; intense blue fls; 2 ft.

LESPEDEZA. (les-ped-DEEZ-uh)
Leguminosae. Ornamental plants and shrub hardy in the North. The Clovers of the mid-south belong to this genus.

- bicolor.** LESP-2. 50¢
10 ft. sh; purple fls; July-Oct; Japan. Lb. \$1.75.
—**striata.** LESP-17. 50¢
Japanese Clover. HA; to 18"; forage crop in the South.

LEUCADENDRON. (lew-kad-DEN-dron)
Proteaceae. S. Af. trees and shrubs; hardy in (X) zone and grown in GH in N.

- abscondens.** LEUD-3. 50¢
Yellow bracts; variable in height; S. Af.

LEUCAENA. (lew-SEEN-uh)
Leguminosae. Ornamental shrubs and trees for warm sections; the fruits are edible.

- pulverulenta.** LEUA-3. 30¢

LEUCOTHOE. (lew-KOTH-oh-se)
Ericaceae. Best in a moist peaty, sandy soil; require some winter protection in the N. they are nice shrubs.

- Catesbaei.** LEUK-3. 30¢
White racemes; 6 ft.
—**Davisiae.** LEUK-4. 30¢
Evergreen shrub; 3½ ft.

LEUCHTENBERGIA: see in *Cacti* list.

LEUCOJUM. (lew-KOH-jum)
Snowflake. Amaryllidaceae. Hardy bulbous plants of low growth; RG; bulbs can be had—see *Bulb* List.

- autumnale.** LEUC-3. 40¢
Autumn Snowflake White flushed pink; Aug.-Oct; 5"; HBb.
—**niccaense.** LEUC-5. 60¢
(hiemala) Rare and very choice; nodding white fls in April.

LEUZEA. (LEW-zee-uh)
Compositae. Biennials and perennials; purple fl-heads of disk-fls; probably hardy in (VIII) zone.

- Conifera.** LEUZ-3. 35¢
Flower heads cone-like, 2" long with showy scales; 1 ft; HP.

LEVISTICUM. (lev-VIST-ik-um)
Lovage. Umbelliferae. Herb for its aro-

matic fruits used in candy, etc; very ornamental.

- officinale.** LEVI-1. 25¢
Lovage. Grows to 6 ft; fls greenish yellow; HP.

LEWISIA. (lew-ISS-ee-uh)
Portulacaceae. Natives of N. W. Amer: the flower is very pretty; does best in a deep loose gritty soil, 1 part loam, 2 of peat moss 3 parts very course sand; moist in spring but dry during the summer; seed can be frozer before planting.

- Howellii.** LEW-12. 50¢
Deep rose fls; 6"; Ore; HP.

NOTE: We should be able to offer more species but the delivery of seed is very uncertain. For this reason species offered last year will be skipped in this issue.

LIATRIS

Blazing Stars; Gay Feather. Compositae. Perennials, very pretty all summer and into the autumn, especially when massed in the border; fls are in spikes or racemes; easily grown from seed.

- callilepsia.** LIAT-2. 25¢
Purple fls; HP.
—**cylindracea.** LIAT-4. 25¢
To 1½ ft; fls in loose spikes; (IV); HP.
—**praecox.** LIAT-13. 20¢
Collected in Austria.
—**punctata.** LIAT-14. 30¢
Purple fls in dense heads; 18"; Nebr; HP.
—**pycnostachya.** LIAT-15. 25¢
Purple fls in dense spikes; 5 ft; HP.
—**scariosa.** LIAT-16. 25¢
Purple fls; tipped purple; 6 ft; HP; C-23.
—**spicata.** LIAT-17. 25¢
Dense spikes; purple fls; 6 ft; HP; C-23.
—**Mixed Species.** LIAT-X. 20¢

LIBERTIA. (lib-BERT-ee-uh)
Iridaceae. Australian and N. Z. natives; hardy in the S; seldom offered.

- caerulescens.** LIBE-1. 30¢
Hardy in the South; blue fls; N. Z. per.
—**grandiflora.** LIBE-3. 40¢
White fls; small capsules; brown or yellow cord; decorative.
—**ixioides.** LIBE-5. 35¢
A N. Z. woodland flower; 2 ft; white, 1" ac; lvs 1 ft. long.
—**Species. (?) and Mixed.** LIBE-X. 25¢

LIBOCEDRUS. (lye-boh-SEED-rus)
Incense-Cedar. Cupressaceae. Evergreen trees related to the Thuja; attractive but not hardy very far North.

- decurrens.** LIBO-4. 35¢
Incense Cedar. (IV); best sown in the fall. Oz. 50¢; lb. \$2.00.

LIGHTFOOTIA.

- glomerata.** LIGH-1. 25¢

LIGULARIA.

(lig-u-LAY-re-ah)
Compositae. Herbaceous perennials with broad basal leaves attractively marked and with many yellow ray-fl heads in racemes or corymbs on 5 ft. stems; easy; border.

- clivorum, Orange Queen.** LIGU-1Q. 25¢
Heads 4" ac and a pretty orange; 5 ft; HP; C-23.

LIGISTRUM.

(lig-GUST-rum)
Privet. Oleaceae. Well known shs used much as hedges; some species are very showy shrubs; sow seed in fall or stratify for spring

- japonicum. d.b. Oz. 50¢; lb. \$1.40. **LIG-14. 25¢**
- rotundifolium. (coriaceum) d.b. Oz. 50¢; lb. \$2.00. **LIG-14R. 25¢**
- variegatis. d.b. Oz. 50¢; lb. \$2.00. **LIG-14V. 25¢**
- ovalifolium. d.b. Oz. 50¢; lb. \$1.60. (Calif. Privet) **LIG-21. 25¢**
- Quihoui. Fls in 8" panicles; Aug-Sept; China; 6 ft; (VIII); shrub. **LIGS-22. 35¢**
- sinense. d.b. Oz. 50¢; lb. \$1.60. **LIG-25. 25¢**
- vulgare. (vul-GAY-rah) Common Privet. c.s. Oz. 50¢; lb. \$3.00. **LIG-28. 30¢**

LILIUM

Lily. Liliaceae. Growing Lilies from seed has become very popular. If type of germination is followed, they are easily grown, besides their hybridizing is of special interest and rewarding. We would like to hear from those growing species to any extent.

(A) Sow seeds of these species, in March or April, out doors, or earlier indoors; germinate in 3-5 weeks; transplant to nursery row. Can also be treated as in (B).

(B) Start in frame or greenhouse in early spring or out doors in the South; germinate in 3-6 weeks; carry seedlings over in frame or cool house the first winter, transplanting them out in the spring.

(C) Plant out door April-June in a well-made seed bed; germinates in 2-5 months with no top growth showing the first season; transplant the second year.

(D) Plant out doors in late fall, Nov-Dec, in well-prepared seed bed; germination and top-growth the 2nd spring; transplant the 3rd or 4th year, according to growth.

(E) Usually hybrids and variable as to treatment; any special notes are mentioned in their description.

- amabile. **LILY-2. 25¢**
- Turk's Cap Red with dark spots; 3 ft; A. **LILY-2L. 30¢**
- luteum. A yellow form; A. **LILY-4. 30¢**
- auratum. Gold Banded. Bowl-shape fls; 4-6 ft; C. **LILY-4R. 50¢**
- A. x Red Auratum. A highly compatible cross and produces type, pink and reds; both pinks and reds are produced in true form; seed produced by Harrisons in New Zealand and is very choice.
- We will have seed in the near future of their red inter-cross; there is nothing better than this offered any where.
- A. x rubro-vittatum. **LILY-4V. 50¢**
- Another of Harrisons's valuable crosses; New Zealand Lilies are tops any where in the world.
- Aurelian Hybrids. **LILY-47A. 30¢**
- EA.
- Bakhouse Hybrids. **LILY-47B. 30¢**
- E.
- bulbiferum. Orange-red, spotted with purple-black with yellow centers; 4 ft. **LILY-10. 50¢**
- candense flavum. Lemon-yellow; 5 ft; C. **LILY-13F. 30¢**
- rubrum. Orange-red flowers; C. **LILY-13R. 40¢**
- cernuum. Lilac spotted purple; nodding; 2 ft; A. **LILY-20. 30¢**
- concolor. Star L. Vermilion; erect; 4 ft; A. **LILY-24. 30¢**
- cordatum. **LILY-25. 40¢**

- White striped purple; erect; 4 ft; D.
- Crow's Hybrids. **LILY-47W. 25¢**
- (Friemann Strain) Trumpet; huge cream; 5-6 ft; A.
- dauricum. **LILY-32. 30¢**
- Candlestick L. Orange-red, spotted; 3 ft; Siberia; A.
- Davidii. **LILY-33. 30¢**
- A refined Tiger Lily; 6 ft; A.
- Willmottiae. **LILY-33W. 30¢**
- Orange-red, dotted black; recurved fls; 3-5 ft; A.
- formosanum. **LILY-39. 30¢**
- Late trumpet; white; 8 ft; A.
- gigatneum. **LILY-40. 30¢**
- Late; huge white; 10 ft; D.
- himalaicum. **LILY-40H. 35¢**
- White; huge woodland Lily; 10 ft; D.
- Henryi. **LILY-45. 30¢**
- Golden Speciocum. Recurved; soft golden orange; 6-8 ft; A.
- hollandicum. **LILY-46. 35¢**
- Up-facing, bowl type; many forms; 2-3 ft; EA.
- Red Bird. **LILY-47RB. 25¢**
- japonicum. **LILY-50. 40¢**
- Trumpet; pink; 2-4 ft; C.
- Kelloggii. **LILY-51. 40¢**
- Pink, spotted with purplish black; erect; 4 ft; Calif; C.
- Leichtinii Maximowiczii Wadai. **LILY-58MW. 50¢**
- Early Tiger type; recurved; 6 ft; A.
- Lillian Cummings. **LILY-47LC. 25¢**
- Bright orange-red; 4-5 ft; EA.
- longiflorum. **LILY-55. 30¢**
- New Japanese form; choice GH lily.
- Lyla McCann. **LILY-47LM. 25¢**
- Medium Recurved; golden orange; EA.
- longiflorum, White Queen. **LILY-55Q. 30¢**
- White Easter Lily. Trumpet; 2-3 ft; B.
- Markham Hybrids. **LILY-47B. 30¢**
- Martagon album x Hansonii; yellow; 4 ft; E.
- Martagon. **LILY-59. 25¢**
- Turk's Cap L. Rose or dark purple; 6 ft; C.
- Maxwell. **LILY-47MX. 25¢**
- Bright orange, spotted red; recurved; 5 ft; A.
- medeoloides. **LILY-62. 40¢**
- Wheel L. Apricot to scarlet; recurved; 3 ft; A.
- regale. **LILY-96. 30¢**
- Royal L. White; 5 ft; China; A.
- album. **LILY-96A. 30¢**
- Palmer's Hybrids. **LILY-47M. 30¢**
- Named varieties mixed; A.
- Preston Hybrids. **LILY-47P. 30¢**
- Named varieties; recurved; 3-5 ft; A.
- regale. **LILY-95. 30¢**
- Royal L. Lilac or purple outside, white within yellow base; horizontal; 5 ft. Oz. \$2.50; lb. \$18.00.
- rubellum. **LILY-99. 40¢**
- Small rose-pink; funnel-shaped; 1-2 ft; C.
- Sargentinae. **LILY-105. 30¢**
- Rose-purple outside, white inside; 6 ft; A.
- Hybrid. **LILY-105C. 30¢**
- S. x centifolium; A.
- skkimensis. **LILY-108. 25¢**
- speciosum. **LILY-110. 30¢**
- Showy Japanese L. White, suffused rose; E.
- Kraetzleri. **LILY-110K. 30¢**
- magnificum Hybrids. **LILY-110M. 40¢**
- punctatum. **LILY-110P. 30¢**
- schuense. **LILY-114. 50¢**
- tigrinum. **LILY-119. 30¢**
- Tiger L. Japan grown seed; orange or salmon-red; E.
- turanense. **LILY-120. 50¢**
- Small upright; brown or mahogany fls; 1-3 ft; A.

- Wallichianum.** **LILY-122. 35¢**
Creamy white tinged green outside; 10";
7 ft.
—**Mixed (A) germination.** **LILY-AK. 35¢**
—**Mixed (E) germination.** **LILY-BX. 35¢**

LILY TURF: see *Liriope spicata*. A pretty rockery plant.

LIMNANTHES. (lim-NANTH-eez)
Meadow Foam. Limnanthaceae. Small annuals of easy culture and nice for the flower border; seed can be sown in Sept. or early spring; likes moist soils.

- Douglasii.** **LIMN-1. 30¢**
Meadow Foam. Flowers very quickly after sowing; 1 ft; with showy yellow and white fls, 1" across; C-1.

LIMONIUM. (li-MOH-ne-um)
Statice; Sea-Lavender. Plumbaginaceae. A highly prized flower both for the border and for commercial growing; many in this genus were formerly under Statice. They make excellent everlasting flowers; sow the



Limonium Peresii

annuals early in the spring and the perennials up to August.

L. SINUATUM: Biennials and perennials best grown as a HA; lvs form loose rosettes at base of the stiff angular branching flower stalk; useful for dried fls, cutting or in the border; C-21.

These are excellent for drying; HHA; space 1-1½ ft; Aug-Oct; 1-2 ft high.

- Kampf's Tall.** **LIMO-32K. 20¢**
An improved blue for market.
—**Kampf's Blue.** **LIMO-32L. 20¢**
Tall dark blue variety for market.
—**Market Rose.** **LIMO-32Z. 25¢**
—**Market Grower's Blue.** **LIMO-32G. 25¢**
A fine deep blue selection.
—**Marktikonigen.** **LIMO-32M. 25¢**
A new German strain in perfect blue.
—**rosa superba.** **LIMO-32RS. 25¢**
True; best pink.
—**True Blue.** **LIMO-32C. 20¢**
A California grown strain.
—**Above Mixed.** **LIMO-32X. 20¢**

PRICE: All above Oz. 45¢; lb. \$2.75.

OTHER SPECIES:

- bellidifolia.** **LIMO-2. 25¢**
Grand in late summer; sprays of lavender fls; 9"; HP.
—**Bonduellii.** **LIMO-4. 25¢**
Fine yellow flowered species; Aug-Oct; 18" space 1-1½ ft; HA or HP.
—**cosyrenes.** **LIMO-5. 50¢**
A miniature edition for space; 3 inches.
—**dumosum.** **LIMO-7. 25¢**

Giant heads of silvery gray fls; ½ Oz. 80¢.

- Gmelinii.** **LIMO-12. 25¢**
Blue fls; 2 ft; Siberia; HP.
—**Hybrids.** **LIMO-14N. 20¢**
Interesting forms.
—**latifolium.** **LIMO-15. 25¢**
Immense lavender-purple heads; dry locations; 2 ft; HP.
—**Perezii.** **LIMO-24. 25¢**
Sub-shrub; 3 ft; purplish blue; HHP.
—**Suworowii.** **LIMO-36. 25¢**
Very pretty and unique species with long tail-like spikes of densely-clustered rose-pink fls; July-Oct; 18"; space 1 ft; HA.
—**White.** **LIMO-37W. 25¢**
—**Mixed Limoniums.** **LIMO-X. 20¢**
—**tataricum.** **LIMO-38. 25¢**
(Goniolimon) Usually listed as Statice; 1 ft; HP. Oz. 80¢; 4 oz. \$3.00.

LINARIA

Toad Flax. Scrophulariaceae. Annuals and perennials of easy culture; fls in racemes or spikes, in many colors; they are sometimes called Baby Snapdragons; sow from Aug. to Feb; best in full sun; C-1.

- maroccana Golden Gem.** **LINA-22G. 25¢**
Nice HA; 18"; golden yellow fls.
—**Fairy Bouquet.** **LINA-22F. 25¢**
Clear rosy pink; 18"; HA.
—**Diadem.** **LINA-22D. 25¢**
Large fls; compact growth.
—**Fairy Bride.** **LINA-22B. 25¢**
Dwarf; in new colors.
—**Excelsior Hybrids.** **LINA-22E. 25¢**
In pink to dark blue; 18"; HA.
—**origanifoli:** see *Chaenorhium*.
—**reticulata aureo-purpurea.** **LINA-32A. 25¢**
Purple-net Toad-flax. Deep orange; 4 ft; HA.
—**villosa.** **LINA-12. 25¢**
Beautiful ever-blooming, non-rampent; rare; gray leaves; lavender fls.
—**Mixed Linarias.** **LINA-X. 20¢**

LINDERA. (lin-DEER-uh)

Lauraceae. Aromatic trees and shrubs; formerly under Benzoin; best to sow seed soon as ripe.

- Benzoin.** **LIND-2. 25¢**
Spice Bush. Deciduous shrub to 15 ft; fls before leaves, greenish yellow; fruits scarlet; moist places; Me-Fla; (IV).

LINDHEIMERA.

Compositae. S. W. American annuals with heads of both disk and ray flowers; they are pretty.

- texana.** **LINH-3. 25¢**
Two ft. annual; golden yellow rays, 2" ac.

LINDMANNIA.

Bromeliaceae.

- penduliflora.** **LINN-30. 50¢**

LINNAEA.

Twin-Flower. Caprifoliaceae. Trailing subshrubs for the rockery; thrives in a moist peaty or woodsy soil.

- borealis.** **LIMN-3. 30¢**
Dainty trailer; bell-shaped, rose fls; evergreen; HP.

NURSERYMEN

You will find the largest listing of tree and shrub seed in this catalog. During the past 5-10 years deliveries on collected items have been uncertain and labor costs high; however conditions are improving, especially on imported seeds; order early.

LINUM.

(LY-num)

Flax. Linaceae. Annuals and perennials and shrubs with blue, white or yellow flowers and fine in the border; full sun; sow annuals direct to soil in early spring; easy; C-23-24.

- africanum.** LINM-1. 30¢
Small yellow fls; shrubby; per; (X).
- flavum.** LINM-14. 20¢
Golden yellow fls; 1 ft; HHP; C-23-24.
- compactum.** LINM-14C. 25¢
Compact form; fine for rockery; HHP.
- grandiflorum.** LINM-16. 25¢
Red to bluish purple fls, 1½" ac; 2 ft; HA.
- coeruleum.** LINM-16C. 20¢
Very showy bluish purple; HA.
- roseum.** LINM-16R. 25¢
Large rose-pink fls; HA.
- Blue.** LINM-16B. 25¢
A very popular cut-flower; HA.
- Julicum.** LINM-18. 25¢
- Lewisii.** LINM-19. 25¢
More robust than L. perenne; 18"; HP.
- ½ Oz. 60¢.
- perenne.** LINM-26. 20¢
Deep blue fls; very nice; HP. Oz. 50¢.
- salsoloides.** LINM-28. 50¢
Forms close mats 2 ft in diam; woody stems and needle-like lvs covered with white fls of silky texture.
- usitatissimum.** LINM-39. 25¢
Common Flax. 2 ft; attractive pale blue fls; June-Aug; space 1 ft; HA.
- Linum Mixed.** LINM-X. 20¢

LIPPIA.

(LIP-ee-uh)

Verbenaceae. Natives mainly of warm regions; the Lemon Verbena being the commonly grown species.

- citriodora.** LIPP-1. 25¢
Aloysia) Lemon Verbena. Shrub to 10 ft; native of Argentina and Chile; white fls in spikes; lemon scented; HHS.

LIQUIDAMBAR.

(lik-wid-AM-ber)

Hamamelidaceae. Showy trees hardy up to the (IV) zone; seeds germinate usually the second year.

- Styraciflua.** LIQU-2. 30¢
Sweet Gum. (V); stratify, usually germinates 2nd year; keep seed bed moist. Oz. 90¢; lb. \$8.00.

LIRIODENDRON.

(lihr-ee-oh-DEN-dron)

Tulip Tree. Magnoliaceae. Pretty flowering tree hardy up to (IV) altho we have 2 rather old trees in our yard near Lansing, Michigan; they are rare this far north; the flower is like the Tulip and is in bloom here in May. Seed best stratified and sown in the spring and as they do not transplant readily better results will be had by growing them from seeds sown in coffee cans.

- Tulipifera.** LIRO-3. 30¢
Tulip Tree. Sow as soon as ripe in some leaf mould; germination never real good Oz. 60¢; lb. \$2.50.

LIROPE.

(lihr-RYE-oh-pee)

Lily Turf. Liliaceae. Asian evergreen perennials with attractive grass-like foliage; it makes a nice ground cover either sun or shade; hardy up to zone (IV).

- spicata.** LIRO-4. 30¢
Lily Turf. Blue spikes followed by black berries; RG or edging; 10"; HP.

LISSOCHILUS.

(lis-oh-SHIL-us)

Orchidaceae. Terrestrial African Orchids native of tropical Africa.

- kredsi.** LISS-2. 50¢

Terrestrial African Orchids; closely allied to Eulopia; S. Rhodesia.

LITHOSPERMUM.

(lith-oh-SPERM-um)

Gromwell. Boraginaceae. Annuals, perennials and sub-shrubs with white, yellow, blue and violet flowers in racemes or spikes; they are showy in the border or rockery.

- intermedium.** LITO-18. 35¢
Sub-shrub; blue fls; 10"; HSh.
- purpureo-caeruleum.** LITO-29. 50¢
Rich blue fls, ½" ac; nice RG; stems decumbent; HP.

LITHOPS: see in list under Cacti.

LITTONIA.

(lit-TOH-nee-ah)

Liliaceae. Climbing or erect plants with bell-shaped orange or yellow flowers and tuborous roots; easy to grow in a sunny window; give rest in early winter; related to Gloriosa.

- modesta.** LITT-1. 30¢
Bright orange bells, 1" ac; good summer house plant.

LIVISTONA.

(liv-ist-TOH-nuh)

Palmaceae. Also known as Corypha. in the trade. Tropical Palm.

- australis.** LIVI-1. 75¢
Palm. 100 seeds \$5.00; 1,000, \$15.00.
- rotundifolia.** LIVI-9. 90¢
(Corypha rot.) 100 s'ds \$5.00¢ 1,000, \$30.00.

LOBELIA

Lobeliaceae. Annuals and perennials generally in blue or red flowers; for garden growing they are divided into 2 classes — the annuals being the most popular and are grown much in GH both for pot plants and for setting out doors in beds or edging; they are tender. (loh-BEEL-ee-ah).

L. ERINUS: Edging Lobelia. Annual, 4-12 inches high; partially trailing, with flowers in blue shades with white throats; plants from seed are stronger and more robust than from cuttings; comes true; for early plants start indoors in March; C-9.

- Bedding Queen.** LOB-1BQ. 25¢
Very dwarf dark blue with white eye. ½ Oz. \$1.00.

- Blue Gown.** LOB-1BG. 25¢
Dwarf compact; clear sky-blue. ½ Oz. \$1.00.

- Blue Stone.** LOB-1BS. 25¢
Rich clear blue; dwarf, compact. ½ oz. 90¢.

- Crystal Palace.** LOB-1CP. 25¢
True blue; dark bronze-green fol; popular. ½ Oz. 60¢.

- Cambridge Blue.** LOB-1CB. 25¢
Clear dark blue; popular. ½ Oz. 90¢.

- Dorothea.** LOB-1D. 25¢
Compact; violet color; pretty.

- Emperor William.** LOB-1W. 25¢
Extra dwarf; for edging; gentian blue. ½ oz. 90¢.

- Mrs. Clibran.** LOB-1C. 25¢
Extra dwarf; dark blue, large white eye.

- Prima Donna.** LOB-1PD. 25¢
Rich velvety maroon or deep carmine-red.

- White Lady.** LOB-1WL. 25¢
- Blend of Above Varieties.** LOB-1X. 25¢

L. ERINUS PENDULA: Pendulous type especially used in baskets and vases and window boxes.

- Hamburgia.** LOB-2H. 25¢
Pale blue with attractive white eye.
- Snow Queen.** LOB-2SQ. 25¢
- Sapphire.** LOB-2S. 25¢

Deep blue with showy white eye.

OTHER SPECIES:

- cardinalis.** **LOB-6.** 25¢
Red Lobelia. Striking; blaze of red; 6 ft; dark lvs; always striking when seen blazing, almost head-high, in colonies along creeks and little branches of the Blue Ridge; C-23. ½ Oz. \$1.00.
- Queen Victoria.** **LOB-6V.** 25¢
Dark red foliage; bright red fls; showy; 4-5 ft; HP.
- Hybrida.** **LOB-6H.** 25¢
Dark leaves; scarlet, crimson and purple fls.
- dryesdensis.** **LOB-7.** 30¢
- inflata.** **LOB-17.** 25¢
Indian Tobacco. Light blue fls; 3 ft; HHA.
- siphilitica.** **LOB-29.** 25¢
Deep blue fls, 1" long; 3 ft; Me-La; (IV); HP.

LOBULARIA maritima: see *Alyssum*.

LOBIVIA: see in List under *Cacti*.

LOCUST: see *Robinia*.

LOMATIUM. (loh-MAY-shee-um)

Umbelliferae. Short-stemmed. perennials with small white, yellow or purple fls in umbels followed by fruits; W. N. Amer. natives; for the wild garden.

- macrocarpum.** **LOMT-6.** 30¢
- utriculata.** **LOMT-11.** 30¢
Spring Gold. 1 ft; B. C.-Calif; HP.

LONAS. (LOH-nass)

Compositae. An interesting ornamental branching, annual; native of Medit. region; they can be dried; C-7.

- annua.** **LONA-1.** 25¢
(inodora) Golden. Ageratum. 1 ft; July-Aug; HHA.

LONICERA. (lon-NISS-er-uh)

Honeysuckle. Caprifoliaceae. Popular erect or climbing shrubs, hardy in the North; sow seed in the fall or stratify for spring.

- alpigna.** **LONI-3.** 30¢
c.s. Oz. 80¢; lb. \$7.00.
- Caprifolium.** **LONI-15.** 35¢
Twining vine to 20 ft; white or purple fls in whorles; fragrant. c.s. Oz. 70¢; lb. \$8.00.
- etrusca.** **LONI-23.** 30¢
c.s. Oz. 80¢; lb. \$6.75.
- Maackii.** **LONI-55.** 35¢
White fls; June; 15 ft. Oz. 75¢.
- italarica.** **LONI-95.** 25¢
c.s. Oz. 50¢; lb. \$4.50.
- xylostium.** **LONI-105.** 30¢
c.s. Oz. 60¢; lb. \$4.50.

LOPHIOLA.

Haemodoraceae. One native HP found in wet pine barrens and bogs; N. J. south.

- americana.** **LOPH-1.** 30¢
(L. aurea) Golden Crest. Small yellowish fls in dense white woolly panicles; HP.

LOVAGE, Black: see *Smyrniolum olusatrum*.

LUCULIA. (lew-KEW-lee-uh)

Rubiaceae. Shrubs with salverform 5-lobed fls in terminal corymbs; native of India and China; grown in the greenhouse and planted out during the summer.

- gratissima, Rose.** **LUCU-1Z.** 30¢
To 16 ft; rose fls, ½" ac; GH.
- White.** **LUCU-1W.** 40¢
- Mixed.** **LUCU-1X.** 25¢
- tsetensis.** **LUCU-10.** \$1.00

NEW. Rare species from Bhutan, N. India. Pure white fragrant fls, tubes 3" long, individual fls 1" as. in large panicles, 9-12" long and 5-6" ac; hardier than L. gratissima; 8 ft; (IX?).

LUEHEA.

- seemanii.** **LUEH-1.** 30¢
Costa Rica tree with pretty white fls; (X); TTr.

LUFFA.

(LUFF-uh)
Cucurbitaceae. Tender vines of tropical regions grown as TA in the North. Some of the Gourds belong here.

- acutangula.** **LUFF-1.** 25¢
Fruits club-shaped; TA vine like Gourds.
- cylindrica.** **LUFF-3.** 25¢
Green Snake. Fruits 2 ft. long; TA vine.
- macrocarpa.** **LUFF-3M.** 25¢
Dish Cloth. Gourd.
- Mixed.** **LUFF-X.** 20¢

LUNARIA.

(loo-NAY-ree-uh)
Satin-Flower; Honesty; Moonwort. Cruciferae. Annuals and perennials grown mainly for the pretty dried fls; sow the annuals early, they are often biennial; DW; C-23.

- annua.** **LUNA-1X.** 20¢
HA or HB; 18"; white, red and purple.
- White.** **LUNA-1W.** 2¢5¢
- Crimson.** **LUNA-C.** 25¢
- Munstead Purple.** **LUNA-1M.** 25¢
- Violet.** **LUNA-1L.** 25¢
- Variegated.** **LUNA-IV.** 25¢
The leaves are variegated white.
- rediviva.** **LUNA-4.** 25¢
Perennial Honesty.

LUPINUS

Lupine Leguminosae. Annual and perennial; fls in great profusion on long stems; they are pretty and make a good display in the border; well drained soil, thriving even in rather poor soil; sow where they are to grow.

- arcticus.** **LUP-8.** 25¢
Alaskan Blue Lupine. 1 ft; HP.
- Hartwegii.** **LUP-25.** 20¢
Best annual species; July-Sept; HA; C-1.
- Blue.** **LUP-25B.** 20¢
Light shade of blue.
- Giant King.** **LUP-25G.** 20¢
A pretty blue.
- Rose.** **LUP-25Z.** 20¢
- Lyallii.** **LUP-34.** 25¢
4 ft; HP.
- mutabilis.** **LUP-39.** 25¢
- Cruikshanksii.** **LUP-39C.** 25¢
Dark blue changing to white.
- nanus.** **LUP-40.** 25¢
Blue with purple dotted spots; fragrant; May-June; 15"; HA.
- apricus.** **LUP-40A.** 30¢
Silvery foliage; very effective; blue and white fls.

RUSSELL STRAIN

Grown from selected plants of the originator's stock; it will produce a brilliant range of colors of the very brightest.

PRICE: Oz. 75¢; lb. \$6.00. **LUP-54.** 25¢

L. POLYPHYLLUS: The tall perennial Lupine; hardy in the North. Winged flower; many beautiful colors; LW; C-23 or 24.

- Carmine.** **LUP-50C.** 20¢
- Yellow.** **LUP-50Y.** 20¢
- Moerheimii.** **LUP-50M.** 20¢
Pretty rose with white.

- Princess Juliana.** LUP-50J. 20¢
Dwarf bright pink; 3 ft.
—**Roseus.** LUP-50Z. 20¢
—**Salmon Queen.** LUP-50S. 20¢
—**Terre Cotta.** LUP-50T. 20¢
—**Blend.** LUP-50X. 20¢
—**perennis.** LUP-45. 30¢
Blue to pink and white fls; May-June;
Me. to Fla; HP.
—**rivularis.** LUP-53. 25¢
Blue or variegated fls marked with yellow;
3 ft; HP; they are similar in size to the
Russel type but more spreading and blooms
a month earlier.
—**subcarnosus.** LUP-56. 25¢
Texas Blue Bonnet. 15"; massive flower
spikes; HA. Oz. 50¢; lb. \$3.00.

LUTKEA.

- pectinata.**

LUTK-1. 25¢

LYCHNIS

Caryophyllaceae. Brilliantly colored fls easily grown from seed sown indoors early in the spring when they will bloom the same season; sun; rather dry soil; LW; C-23.

- alpina.** LLYCH-2. 25¢
Pink fls in dense terminal heads; tufted;
1 ft; HP.
—**aridus.** LLYCH-3. 25¢
—**Arkwrightii Hybrids.** LLYCH-4. 25¢
Showy; nice color range; 18"; HP.
—**chalcadonica.** LLYCH-7. 25¢
Scarlet fls in dense terminal heads; June-July;
2-3 ft; HP. Oz. 50¢.
—**Coli-rosa.** LLYCH-8. 20¢
Rose-of-Heaven. Rose-red terminal fls;
18"; HA.
—**candida.** LLYCH-8C. 25¢
White form; HA.
—**Loyalty.** LLYCH-8L. 25¢
Blue on 6" plants; HA.
—**nana compacta.** LLYCH-8NK. 25¢
Mixed colors indwarf compact plants.
—**nobilis.** LLYCH-8N. 25¢
Chamois rose. ½ oz. 40¢.
—**Rose Beauty.** LLYCH-8RB. 25¢
Lovely large flowered deep rose; 18"; HA.
—**Blue Pearl.** LLYCH-8B. 25¢
—**Azure.** LLYCH-8A. 25¢
Rosy light blue.
—**Mixed Coeli-rosa Var.** LLYCH-8X. 20¢
—**coronaria.** LLYCH-10. 20¢
Rose Champion. Crimson; treminal fls;
3 ft; HB or HP.
—**astrosanguinea.** LLYCH-10A. 25¢
Dark blood-red fls.
—**Red.** LLYCH-10R. 25¢
Deep red color.
—**Flos-cuculi.** LLYCH-13. 25¢
Cockoo-flower. Red or pink panicles;
May-Aug; 15"; HP.
—**Flos-Jovis.** LLYCH-14. 25¢
Flower-of-Jove. Pink in dense umbels;
June-July; 18"; HP.
—**Hort. Variety.** LLYCH-14H. 20¢
Pink fls over silver rosettes; 5"; HP.
—**Forrestii Hybrids.** LLYCH-16. 25¢
Shades of pink to crimson and white;
20"; HP.
—**Haageana.** LLYCH-19. 20¢
Hybrid; orange-red fls; May-June; 20"
HP.
—**utriculata.** LLYCH-29. 25¢
Tender perennial.
—**Viscaria.** LLYCH-30. 20¢
Red and purple fls, ½" ac, in clusters;
May-June; 18"; HP.
—**splendens.** LLYCH-30S. 25¢
German Catchfly. Large flowering; HP.
—**Lychnis Blend.** LLYCH-X. 20¢

Please do not order by the common name!

LYCIUM.

(LISH-ee-um)

Box Thorn. Matrimony Vine. Solanaceae. Ornamental shrubs requiring support; they are hardy in the North.

—**europaeum.**

LYCI-5. 30¢

Box Thorn. Spreading shrub to 10 ft; scarlet or orange fruits. Oz. 60¢.

LYGODIUM: see Fern List.

LYONIA.

(lye-OH-nee-uh)

Ericaceae. (Xolisma) Evergreen and deciduous shrubs, usually best in moist soils; sow seed in sand and sphagnum, indoors; good for colonizing.

—**mariana.**

LYON-4. 35¢

Stagger Bush. Deciduous; 6 ft; May-June; fls nodding, terminal racemes; (V).

LYSIMACHIA.

(ly-si-MAY-ki-ak)

Loosestrife. Primulaceae Annuals and perennials; summer blooming; in white or yellow, sometimes purple and blue, in spikes or racemes. Good in moist places and edges of pools or streams.

—**punctata.**

LYSM-14. 25¢

Yellow fls in whorles; 3 ft; HP; C-23.

—**ramosa.**

LYSM-15. 25¢

—**Mixed.**

LYSM-X. 20¢

LYTHRUM.

(LITH-rum)

Loosestrife. Lythraceae. Annuals and perennials; border or wild garden; easy in moist soils.

—**Salicaria.**

LYTH-7R. 30¢

Purple Loosestrife. Large rose-colored fls in dense terminal spikes; 3 ft; (IV); HP.

MACHAERANTHERA.

Compositae. A genus of American daisy-like annuals, biennials and perennials, similar to hardy Asters; Tahoka Daisy is a commonly grown species; C-7.

—**tanacetifolia.**

MACA-1. 25¢

Tahoka Daisy. HB; 2 ft; fl-heads 2" ac; ray-fls blue-violet, disks yellow; good for border or cutting; sow seed in fall or early spring.

MACHAERIUM Tipa: see Tipuana Tipu.

MACLEAYA.

(mah-KLAY-rah)

Plume Poppy; Bocconia. Papaveraceae. Perennials used for their bold and attractive habit and appearance; flowers are small and in terminal panicles.

—**cordata.**

MACL-1. 25¢

Leaves 8" ac; specimen plants; 6 ft; HP.

—**microcarpa.**

MACL-3. 25¢

Differs from above in the flowers; HP..

MACLURA.

Moraceae. Deciduous American trees.

—**pomifera.**

MACU-1. 25¢

Osage Orange. Sow in spring; soak seeds in warm water. Oz. 50¢.

MACROPIDIA.—**fuligosa.**

MACR-8. 50¢

MAGNOLIA

Magnoliaceae. Showy trees and shrubs with large pink, white, purple or yellow fls followed by cone-like fruits; very ornamental. Sow seeds in the fall or stratify till spring.

—**acuminata.**

MAGN-1. 25¢

Cucumber-Tree. Best to sow in spring; (V). Oz. 07¢.

- Campbellii.** **MAGN-6.** 30¢
Tree; fls pink outside, white inside; 10" across; (VII).
- White.** **MAGN-6W.** 25¢
- Red.** **MAGN-6R.** 30¢
- denudata.** **MAGN-12.** 40¢
(conspicua) d.b. Oz. 60¢; lb. \$3.50.
- fuscata** see *Michelia fuscata.*
- grandiflora.** **MAGN-18.** 30¢
d.b. Oz. 50¢; lb. \$2.50.
- globosa.** **MAGN-17.** 35¢
Bull Bay. (VII); white fls; fragrant; Oz. 60¢.
- Kobus.** **MAGN-20.** 40¢
Tree to 30 ft; white fls, 4" ac; Japan.
- liliflora.** **MAGN-22.** 30¢
(discolor) d.b. Oz. 50¢; lb. \$4.00.
- Miliflora v. nigra.** **MAGN-22N.** 35¢
Shrub to 10 ft; fls dark purple; China.
- macrophylla.** **MAGN-23.** 50¢
Large Leaf Cucumber Tree; (V); white. d.b. Oz. 50¢; lb. \$4.00.
- obovata.** **MAGN-27.** 35¢
Tree; white fls; fragrant, 7" ac; (VII).
- Soulangeana.** **MAGN-32.** 30¢
Hybrid *M. denudata* x *liliflora*; hardy in N; fls purplish outside, white inside, 6" ac.
- tripefala.** **MAGN-40.** 40¢
Umbrella-tree. 40 ft; (V). d.b. Oz. 50¢; lb. \$4.00.
- Wilsonii.** **MAGN-45.** 40¢
Small tree; 25 ft; pendent white fls; frag. 5" ac; China.
- Mixed.** **MAGN-X.** 25¢

MAHONIA. (ma-HOH-nee-ah)

Berberidaceae. Evergreen shrubs similar to the Barberry; fls in yellow racemes followed by blue berries; some are hardy in the North and should be planted in sheltered spots from wind and hot sun.

The importing of seed of this genus is prohibited thus scarce; U. S. sources needed.

- Aquifolium.** **MAHO-1.** 50¢
Holly M. or Barberry. 3 ft; hardy in N. c.s. Oz. 50¢; lb. \$4.00.
- repens.** **MAHO-16.** 30¢
Low growing; bluish green lvs; hardy in N; 1 ft; HP.

MALACOCARPUS: see in list under **Cacti.**

MALCOMIA. (mal-KOH-me-ah)

Malcome Stocks. Cruciferae. Annuals and perennials with grayish leaves; sow seeds early indoors or direct to the garden.

- maritima.** **MALC-3X.** 20¢
Virginia Stocks. Fine for border; 12"; HA; seed can be sown every 2 weeks during the spring for succession bloom.
- Crimson.** **MALC-3C.** 25¢
- Rose.** **MALC-3Z.** 25¢
- White.** **MALC-3W.** 25¢
- Yellow.** **MALC-3Y.** 25¢

MALOPE. (MAL-oh-pee)

Malvaceae. Showy annuals with large solitary flowers; C-1.

- trifida.** **MALO-3X.** 30¢
Fls 3" across; 3 ft; mixed colors. Oz. 50¢.
- White.** **MALO-3W.** 35¢
- rosea.** **MALO-3R.** 35¢
- Purple-red.** **MALO-3P.** 35¢

MALUS.

Apple. Rosaceae. The oriental Crabs of the *Malus floribunda* group come true from seed.

- floribunda.** **MALU-15.** 25¢
Showy Crab-Apple. c.s. Oz. 70¢; lb. \$8.50.
- Sieboldii.** **MALU-36.** 75¢

Toringo Crab. Shrub or tree 15 ft; hardy in N; Japan.

- Zumi.** **MALU-50.** 75¢
Tree to 20 ft; fls 1" across; pink in bud.

MALVA. (MAY-lus)

Mallow Malvaceae. Erect spreading plants, easily grown in the border. Best to sow seeds where they are to grow; C-23.

- moschata rosea.** **MALA-10R.** 25¢
Musk Malva. 2 ft; HP; fls rose-pink; (IV).
- capensis:** see *Malvasium.*
- sylvestris mauritiana.** **MALA-1M.** 25¢

MALVASTRUM. (mal-VAS-trum)

False Mallow. Malvaceae. Mallow-like plants and sub-shrubs with purple or red fls; usually in terminal spikes; makes nice plants in the border and sometimes grown in GH.

- coccineum.** **MALV-3.** 30¢
Prairie Mallow. Brick-red fls, 1" ac; 8 ft; hardy; HP.

- capensis.** **MALV-1.** 35¢
(Malva Capensis) 4 ft; purple fls; (IX).

- scabrosum.** **MALV-9.** 40¢
Small rosy fls; 3-4 ft; TSh.

- virgatum.** **MALV-15.** 35¢
Erect; small pale pink fls; 3-4 ft; TSh.

MAMMILLARIA. (mam-il-LAY-ree-uh)

Cactaceae. (Neomammillaria) Mainly Mexican Cacti. It is a very popular genus; C-63.

NOTE: See under **Cacti** for a recently received list, which will be described and cataloged here in next issue.

MAMMILLARIA COLLECTION. \$2.00

FIVE different species, our selection, valued at least \$2.50, for only \$1.00; or 11 for \$2.00.

- longicoma.** **MAMM-150.** 50¢
- longispina.** **MAMM-162.** 50¢

MANDEVILLEA.

Apocynaceae. Woody vines of trop. Am. Use equal parts peat and sandy loam.

- laxa suaveolens.** **MAND-2.** 40¢
Chilean Jasmine. Fragrant white fls. 2" ac; Argentiniana.

MANIHOT. (MAN-ee-hot)

Euphorbiaceae. Tropical Amer. trees and shrubs useful for their large fleshy roots.

- esculenta.** **MANI-4.** 50¢
Cassava, Manioc, Tapioca Plant. Shrub; 9 ft; edible. (X).

MARIGOLD

Tagetes. Compositae. Marigolds are fairly hardy and therefore they should be planted rather early in the spring; there are many beautiful varieties in both types.

AFRICAN MARIGOLDS: These are strong feeders and require plenty of water, therefore plant them in the richest, most favorable section of your garden; seed may be sown direct or indoors and set out in May; give plenty of room, usually 3 ft.

NOVELTY TYPES: Large blooms; 3-5 ft. high and flowers to 4-5 inches across; beds and the odorless varieties for cutflowers.

- Treasure Chest.** **MARY-1T.** 20¢
Large bell-shaped heads in mixed colors.
- Crown of Gold.** **MARY-1CG.** 20¢
Collerette type blooms; odorless; golden yellow flowers.
- Gigantea Sunset.** **MARY-1GS.** 20¢

- Huge yellow or primrose fls, 5" ac; 3½ ft.
—Glitters. **MARY-1G.** 25¢
 An All-American selection in 1951; large
 Chrysanthemum-type; golden yellow fls;
 ft. ½ Oz. \$1.25.
—Goldilocks. **MARY-1GL.** 25¢
 NEW. Like Glitters in plant habit and
 flower form but bright golden yellow.
—Golden Ball. **MARY-1GB.** 20¢
 Deep golden yellow; double fls.
—Golden Glow. **MARY-1GG.** 20¢
 Very large golden heads, 5" ac; odorless.
—Mission G'ts, Goldsmith. **MARY-1GS.** 25¢
 Perfect ball-shaped type; huge golden fls.
—Yellowstone. **MARY-1YS.** 25¢
 Golden yellow; incurved; huge heads.
—Gypsy Jewells. **MARY-1GJ.** 20¢
 A wide range of brilliant colors; sweet;
 15" high; neat plants.
—Golden Bedder. **MARY-1GB.** 20¢
 Chrysanthemum flowered; deep golden.
—Golden Queen. **MARY-GQ.** 20¢
 Deep golden; dwarf plants; good bedder.
—Moonlight. **MARY-1M.** 20¢
 Tall giant flowered; yellow; extra double.
—Orange Queen. **MARY-1NQ.** 20¢
 Medium height; double flowers.
—Primrose Queen. **MARY-1PQ.** 20¢
 Dwarf growth.



POTS O'GOLD

- Pot O'Gold.** **MARY-1PG.** 20¢
 Deep golden orange; dwarf, compact.
—Silver Light. **MARY-1V.** 20¢
 Improved Yellow Supreme; dandy.
—Sunlight. **MARY-1S.** 20¢
 Giant flowered; bright orange-red.
—Little Gians, Mixed. **MARY-1LG.** 20¢
 Collection of dwarf large-flowering; 15".
—Early Sunrise. **MARY-1ES.** 20¢
 Dazzling golden yellow; 4 ft.
—Collarette Crown O'Gold. **MARY-1G.** 25¢
 Gold Medal; odorless; golden orange..
—Above Mixed. **MARY-1X.** 20¢

TALL DOUBLE AFRICAN: All double or
 fistulosa type flowers with quilled petals
 and all 100% double; favorites for bedding
 or cutting; 2½ ft.

- All Double Gold.** **MARY-2G.** 20¢
—All Double Lemon. **MARY-2L.** 20¢
—All Double Orange. **MARY-2N.** 20¢
—All Double Mixed. **MARY-2X.** 20¢
—Lemon Queen. **MARY-2LO.** 20¢
 Los Angeles florist strain; lemon-yellow.
—Golden Emblem. **MARY-2GE.** 20¢
—Golden Prince. **MARY-2P.** 20¢
 Rich gold, between Lemon Queen and
 Orange Prince.

- Josephine.** **MARY-7J.** 20¢
 Single brown; good cut; 3 ft.
—Lieb's Tall Winter. **MARY-7LW.** 420¢
 Deep brown; single; GH for cutting.

DWARF DOUBLE FRENCH:

- Dobbie's Dwarf.** **MARY-8D.** 20¢
 Striped double flowers.
—Electric Light. **MARY-8EL.** 20¢

- Dwarf double; bright yellow.**
—Orange Ball. **MARY-8RB.** 20¢
 Dwarf double orange.
—Orange Flame. **MARY-8F.** 20¢
 A new German variety.
—Purple Crown. **MARY-8PC.** 20¢
 Showy new German variety.
—Robert Beist. **MARY-8RB.** 20¢
 Rich maroon; 1 ft.
—Royal Scot. **MARY-8RS.** 20¢
 All double; rich mahogany and gold com-
 bination; 1 ft.
—Rusty Red. **MARY-8R.** 20¢
 Double; rusty red, gold edged on frilled
 petals; new.
—Scarlet Glow. **MARY-8G.** 20¢
 Showy scarlet flowers.
—Sunbeam. **MARY-8SB.** 20¢
 Pure golden yellow; pretty; 15".
—Tangerine. **MARY-8T.** 20¢
 New; tangerine-orange; full double, 2" ac
—Double Monarch. **MARY-8DM.** 20¢
—Above Mixed. **MARY-8X.** 20¢

DWARF SINGLE FRENCH:

- Ferdinand.** **MARY-9F.** 20¢
 Golden yellow with mahogany-red; 2 ft.
—Fire Cross. **MARY-9FC.** 20¢
 Deep orange-yellow, blotched maroon;
 10".
—Flash. **MARY-9FL.** 20¢
 New red and gold bicolor; dandy; good
 for pots or border; 15".
—Gold Edged. **MARY-9GE.** 20¢
 Showy single variety.
—Legion of Honor. **MARY-9LH.** 20¢
 Pretty yellow, blotched brown; dwarf.
—Naughty Marietta. **MARY-9NM.** 20¢
 Light yellow, maroon blotch; single.
—Above Mixed. **MARY-9X.** 20¢

MINIATURE DOUBLE FRENCH: Excell-
 ent for pots, edging or low beds.

- Butterball.** **MARY-10B.** 20¢
 Soft yellow with maroon center; 8".
—Spry. **MARY-10SP.** 20¢
 Yellow crested with red guards; 9".
—Sunkist. **MARY-10S.** 20¢
 Bright golden orange; good with Butter-
 ball; 8 inches.
—Yellow Pigmy. **MARY-10YP.** 20¢
 A very dwarf bright yellow; 10".
—Gem Mixture. **MARY-10GX.** 20¢
 New dwarf mixture; neat form; contin-



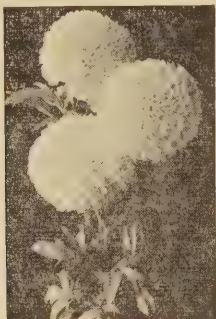
FERDINAND

CARNATION TYPE AFRICANS: Carnat-
 ion-type flowers with fluffy broad petals
 and nearly 100% double; 2½ ft.

- Burpee Gold.** **MARY-3BG.** 20¢
 Odorless foliage; bright gold.
—Golden Crown. **MARY-3GC.** 20¢
 Dwarf strain in golden yellow; low beds.
—Yellow Supreme. **MARY-3YS.** 20¢
 Pretty lemon-yellow.
—Golden West. **MARY-3GW.** 20¢

Early; dwarf strain of Guinea Gold; 2 ft.

FRENCH MARIGOLDS: Mainly small 12-15 inch plants, with smaller flowers than the Africans; they are especially good for beds and borders; many varieties are ideal for edging. This type does better if planted where they are to grow, as they do not take well to transplanting; they also do better if the soil is not extra rich nor too moist.



Tall African Marigold

NEW HARMONY TYPE: These have a crested form flower; excellent for beds.

—**Gold Crest.** **MARY-6GC.** 20¢
Deep golden orange, 2" ac; quilled petals; 8 inches.

—**Golden Harmony.** **MARY-6GH.** 20¢
Luminous golden yellow; 1 ft.

—**Clinton.** **MARY-6C.** 20¢
Orange; frilled and waved petals; odorless foliage.

—**Golden Supreme.** **MARY-6GS.** 20¢
Larger fls than Golden Harmony; 18".

—**Harmony.** **MARY-6H.** 20¢
Deep orange, maroon color; 1 ft.

—**Melody.** **MARY-6M.** 20¢
Clear all golden yellow, 1 1/4" ac; 1 ft.

—**Orbit.** **MARY-6B.** 20¢
Golden yellow center, reddish brown guards; 1 ft.

—**Spotlight.** **MARY-6SL.** 20¢
Yellow center, mahogany border; early; 1 ft.

—**Winter Harmony.** **MARY-6WH.** 20¢
Winter flowering type for the GH.

—**Dwarf Harmony.** **MARY-6DH.** 20¢
Uniform 11" plants; 2-tone lemon and dark red.

—**Harmony Types Mixed.** **MARY-6X.** 20¢
Double hybrids for cutting.

—**Tall Harmony.** **MARY-6TH.** 20¢

TALL DOUBLE FRENCH: 30 inches high.

—**Australian Giant.** **MARY-7AG.** 20¢
Tall double or grendon tree; brownish uous bloom.



MARIGOLD — Gnome

TAGETES SIGNATA PUMILA:

—**Gnome.**

MARY-11G. 20¢



A dwarf compact single orange; RG; 6".

—**Signata pumila.** **MARY-11SP.** 20¢

Bright yellow; tiny single fls; edging; 8".

—**Little Giants.** **MARY-11LG.** 20¢

—**tenuifolia,** Golden Ring. **MARY-GR.** 20¢

MARKHAMIA.

Bignoniaceae. Tropical shrubs and trees; large tubular-funnel-form fls; (X).

—**Hildebrandtii.**

MARK-6. 50¢

From East Africa; (X).

MAURANDIA.

(mau-RAN-de-ah)

Scrophulariaceae. Bright flowered plants, mostly vines, for the GH or outdoors in the far South. If seed is sown early they make excellent basket or window-box plants for the summer; they need a 60 deg. F. temperature and a fibrous loam soil with some leaf mould and cow manure when grown in GH

—**Lophospermum.** **MAUR-5.** 30¢

(Lophospermum scandens) Climbing Fox-glove. Rose flowers.

—**Barclaiana.** **MAUR-3.** 50¢

Purple fls, downy out side.

—**Mixed.** **MAUR-X.** 30¢

MATHIOLA

Stocks. Cruciferae. Annuals and perennials, some sub-shrubs, native mostly of Mediterranean regions and commonly known as Stocks. Flowers are in lilac, purple and white, in terminal racemes. *M. bicornis* is the Evening Stock or Perfume Plant, very fragrant in the evening but the flower is closed during the day. *M. incana*, the Common Stock or Brampton Stock or Gilliflower; and a type of it is the Ten-Weeks-Stocks; C-1.

M. INCANA: Sturdy erect plants in many colors. They make good flowers both outside and in the greenhouse; sow seed early in the spring or summer sown seed will make good house plants for winter; they are handled as half hardy subjects.

DOUBLE GIANT FLOWERING STOCKS:

Immense, fully double, closely spaced flowers, on 2-2 1/2 ft spikes per plant; strictly non-branching.

—**Ball's No. 2.** **MACH-2BW.** 30¢

Large white spike tinged pink.

—**Ball's No. 14.** **MACH-2Z.** 40¢

Rose-pink, deep color.

—**Gardenia.** **MACH-2G.** 40¢

Very large single pure white.

—**Purity.** **MACH-2W.** 30¢

Non-branching pure white.

—**Blend of Colors.** **MACH-2X.** 25¢

ANY ABOVE: Oz. \$8.00.

EARLY GIANT IMPERIAL: Branching habit; flowers on long stems making it a desirable cutting type; 2 ft; high double centage.

—**Blood-red.** **MACH-3B.** 20¢

—**Chamois.** **MACH-3C.** 20¢

Ivory tinged with rose.

—**Fiery Red.** **MACH-3R.** 20¢

—**Rose.** **MACH-3Z.** 20¢

—**Rose Charm.** **MACH-3RC.** 20¢

—**Roselight.** **MACH-3RL.** 20¢

—**White.** **MACH-3W.** 20¢

—**Blend of Above.** **MACH-3X.** 20¢

TEN-WEEKS-STOCK: Dwarf compact, and fine for bedding; sweet scented; 12"; grow as an annual; very early; start seed early indoors or they can be planted direct to the garden.

—**Dark Blue.** **MACH-4D.** 20¢

—**Finest Mixed.** **MACH-4X.** 20¢

OTHER MATHIOLA SPECIES:

- Bragginsii.** MACH-8. 40¢
True stock.

MATRICARIA. (mat-re-KAY-re-ah)

Matricary. Compositae. Mainly annuals with a few perennials, with finely cut foliage and small flower heads. They are easily grown treating them as you would Chrysanthemums.

- Chamamilla.** MATI-2. 20¢
Sweet False C. White fls; 2 ft; HA.
—**eximia:** see **Chrysanthemum Parthenium.**
—**globifera.** MATI-4. 25¢
Yellow rayless button-like fls; 1½ ft;
HHA; S. Af.
—**indora v. Bridal Rose.** MATI-3B. 20¢
Very double heads; white ray fls; 2 ft;
HA.
—**Snowball.** MATI-3S. 20¢
Small double heads; white ray-fls; 2 ft;
HA.
—**parthenoides:** see **Chrysanthemum part.**
—**globifera.** MATI-5. 25¢
Yellow rayless, button-like fls; 1½ ft.

MECONOPSIS

Papaveraceae. Annuals, biennials and perennials, requiring a cool moist summer, a sheltered and partly shaded place. They make attractive plants in the border; start the annuals early indoors, setting them out after frost danger; the perennials are best started in a frame over the first summer; fls are in racemes or panicles; some are hardy, other semi-hardy in the North; the NW Coast states are ideal for them; do not disturb when established; C-23 or 24.

- betonicifolia.** MECO-2. 30¢
Purple fls in clusters, 2" ac; 6 ft; HP.
—**Baileyi.** MECO-2B. 30¢
Very similar to above.
—**cambrica.** MECO-3. 30¢
Welch Poppy. Pale yellow fls 3" ac; solitary; 1½ ft; HP.
—**aurantiaca.** MECO-3A. 30¢
Orange flowered type of above.
—**cathcartii.** MECO-5. 30¢
Golden yellow fls, 2-3" ac; HP.
—**horridula.** MECO-9. 30¢
Light blue or claret; solitary; 5 ft; HB.
—**integrifolia.** MECO-10. 30¢
Yellow Chinese Poppy. Yellow, 6" ac; 3 ft; HB.
—**napaulensis.** MECO-13. 30¢
Satin Poppy. Pale blue satiny fls 2" ac; 6 ft; HP.
—**Red Form.** MECO-13R. 40¢
—**paniculata.** MECO-14. 30¢
Yellow fls 2" ac. in racemes 2 ft long; 5 ft; HP.
—**Gray Rosette.** MECO-14G. 40¢
Fine new form with gray rosettes.
—**quintuplinervia.** MECO-16. 40¢
Lavender to purple fls 3½" ac; RG; 1 ft; HP.
—**simplicifolia.** MECO-18. 40¢
Nodding blue or purple solitary fls, 3" ac; 2 ft; HP.
—**Plum Red.** MECO-18P. 50¢
A nice new plum-red form.
—**superba.** MECO-21. 40¢
White fls to 5" ac; woodland; shade; 3-4 ft; Tibet; HP.
—**villosa.** MECO-22. 40¢
Yellow fls, 2" ac; 2 ft; Himalayas.
—**Mixed.** MECO-X. 25¢

MEDEOLA. (med-DEE-oh-luh)

Liaceae. One HP. tuberous rooted plant; edible; N. Amer.

- asparagoides:** see **Asparagus asparagoides**
—**virginiana.** MEDE-1. 25¢
Indian Cucumber Root. 2 ft; fls small, greenish yellow; (IV).

MEDICAGO. (med-ik-KAY-yuh)

Medick. Leguminosae. Annual and perennials, a few shrubs, some of which are ornamental.

- arborea.** MEDI-3. 30¢
Tree Alfalfa; (VIII); 8 ft; orange-yellow.

MELALEUCA. (mel-al-LEW-kuh)

Bottle-Brushes. Myrtaceae. Noted for their abundance of flowers, breath-taking brilliance of coloring, in some species, and are generally hardy in Australia where most are natives. the flowers are brush-like, similar to the Callistemon; in red, white or orange; some fls are like Eucalyptus; best to cut back hard after flowering (X).

- decussata.** MELL-5. 40¢
Purple Bottle B. Small lvs. dense twigged shrub; purple fls.
—**hypericifolia.** MELL-10. 25¢
Tall shrub; fls rich red in dense spikes 3" long; (IX); Australia.
—**Leucadendra.** MELL-14. 30¢
Punk Tree. Creamy white fls; nice; (IX).
—**Mixed.** MELL-X. 25¢

MELIA. (MEE-lee-uh)

Bead-Tree. Meliaceae. Tropical trees and grown in the far South.

- Azedarach.** MELA-3. 30¢
Pride of India China Berry, Indian Lilac. Not easy; best to have seeds delivered when fresh. c.s. Oz. 40¢; lb. \$1.00.

MELIANTHUS. (mel-ee-ANTH-us)

Honey-Bush. Melianthaceae. Tropical grown in the South. They are pretty and decorative.

- major.** MELH-4. 40¢
Honey Bush. California; (X); 10 ft.

MELICA. (MEL-ik-uh)

Melic Grass. Graminacae. Ornamental perennial grass, hardy in the S; 3-4 ft.

- transsilvanica.** MELI-4. 25¢

MELICYTUS.

Violaceae. Dioecious trees and shrubs from (IX) and (X) zones; fls in clusters.

- ramiflorus.** MELY-5. 30¢
Small tree; white bark; green fls followed by small blue berries; 15 ft; evergreen.

MELISSA. (mel-LISS-uh)

Labiatae. Balm. Erect perennial medicinal herbs; start seeds early indoors.

- officinalis.** MELS-1. 25¢
Balm. Lemon scented lvs used in flavoring soups, etc; dried, makes tea; try a sprig, crushed, in cider; sow in May: transplant n tre fall; 2½ ft; HP.

MELOCACTUS: see in list under Cacti.

- oaxacensis.** MELC-32. 50¢

MENTHA. (MENTH-uh)

Mint. Labiata. Easily grown herbs and used for its aromatic oil as well as ornamental.

- crispa.** MENT-9. 50¢
Spear-mint.
—**viridis.** MENT-9V. 50¢
—**piperita.** MENT-12. 50¢
Peppermint.

—**pulegium.**
Penny-royal.

MENT-13. 50¢

MENTZELIA.

Loasaceae. Amer. plants and shrubs with very showy fls; sow seeds where they are to grow; seed can be sown in the open in mid-April; thin out and never allow plants to get dry; easy.

—**Lindleyi.** **MENTZ-8. 30¢**
(Bartonia aurea) Golden yellow fls 2½" across; 4 ft; TA; seed can be sown in the open ground in mid-April; thin out early any never allow plants to get dry.

One of the most brilliant of all annuals; large golden yellow fls resembling those of St. John's-wort; 2 ft; HA.

MENYANTHES. (men-ee-ANTH-eez)
Bog-bean; Buckbean. Gentianaceae. One cold climate herb for wet places.

—**trifoliata.** **MENY-1. 40¢**
Found in peat bogs and calm water; has creeping root-stalk; blooms in June in Alaska; white fls tinted pink; germinate it in water.

MERCURY: see *Chenopodium Bonus-Henricus*. A perennial pot-herb.

MESEMBRYANTHEMUM criniflorum: see *Dorotheanthus bellidiformis*. Also see in List under *Cacti*.

These are amongst the most colorful of the Succulents and with the largest variation in form and shape; fls are in very vivid hues; C-9.

—**cordifolium:** see *Aptenia cordifolia*.
—**crystallinum.** **CRYO-3. 25¢**
Ice Plant. See *Cryophytum crystallinum*.

MESPILUS. (MESS-pil-us)
Rosaceae. One deciduous tree grown for its edible fruit.

—**germanica.** **MESP-1. 30¢**
Medlar Tree to 20 ft; fruit edible; (IV).
c.s. Oz. 50¢; lb. \$2.50.

METOTHRIA.

—**scabra.** **MELO-3. 30¢**
Sow seeds in April; TA.

METROSIDEROS. (mee-thoh-sid-DEER-os)
Myrtaceae. Odd shrubs and trees of New Zealand with showy flowers in white or red; very ornamental; (IX).

—**tomentosa.** **METR-14. 30¢**
New Zealand tree to 50 ft; nice dark foliage; masses of crimson fls; blooms very young; (X).

MIBORA.

—**verna.** **MIRO-1. 50¢**
A rare tiny flowering grass for the RG; carpeting; HHBb.

MICHELLA. (my-KEE-le-ah)
Magnoliaceae. Trees and shrubs native of Asia; much like Magnolias; (VIII).

—**Champaca.** **MICH-3. 30¢**
Yellow or orange fls; very fragrant evergreen tree; (IX).

We have several other species but seed has failed; more may be listed in near future.

MICROMERIA. (mye-kroh-MEER-ee-uh)
Labiateae. Perennials, usually trailing; RG.

—**rupestris.** **MICR-20. 40¢**
Prostrate; white fls spotted lavender; in many-flowered clusters; HP.

MIGNONETTE

85

(Reseda.) Resedaceae. Mignonette belongs to the genus *Reseda* of which there are 3 or 4 species with *R. odorata* the common Mignonette. They are noted for their fragrance; are tender annuals and when started indoors are best handled in pots as they do not transplant easily; thrive in a cool, moderately rich soil, in partial shade; in GH grow in the cool part at 48 degrees F.

RESEDA ODO-RATA: They comes in many varieties; sow ¼" deep in pans, during March; cold house, or out doors in April and May; for early fls they can be started in Aug. for GH growing.

—**Allen's Defiance.** **MIG-1A. 20¢**
Compact; florets immense sized; fragrant.

—**Machei Giant.** **MIG-1M. 20¢**
Pyramidal growth; very nice; 1 ft.

—**Golden Goliath.** **MIG-1MG. 20¢**
Golden yellow fls; 1 ft.

—**New York Market.** **MIG-1MY. 20¢**
Large spikes; fine texture; forces. Oz. \$1.00.

—**Red Goliath.** **MIG-1MR. 20¢**
Large red fls; special; 1 ft; fragrant.

—**White Goliath.** **MIG-1MW. 020¢**
Best large white variety.

—**Mixed Machets.** **MIG-1MX. 20¢**

—**Bismarch.** **MIG-1B. 20¢**
Beautiful flat top and large spikes.

—**Gabrielle.** **MIG-1G. 20¢**
Robust; heavy red spikes.

—**Giant Pyramidal.** **MIG-1P. 20¢**

—**Red Monarch.** **MIG-1R. 20¢**
Deepest red; perfect form.

—**Victoria.** **MIG-1V. 20¢**
Brilliant red.

—**Blend of All Above.** **MIG-1X. 20¢**

MIKANIA. (mik-KAY-nee-uh)
Climbing Hemp. Compositae. Twinning plants or shrubs with white or pink disk fls in panicle cymes; allied to *Eupatorium*.

—**scandens.** **MIKA-1. 30¢**
Climbing Hempweed or Boneset. Unusual vine with many clusters of pinkish white fls; very nice.

MILLA. (MILL-uh)
Mexican Star. Liliaceae. One nice bulbous plant hardy in the (IV).

—**biflora.** **MILB-1.**
(NO SEED AVAILABLE) BULBS: in the fall.

BULBS: Doz. 80¢; 100, \$5.00; 1,000 \$35.00.

MILLETTA.
Leguminosae. Trees, shrubs and vines allied to the Wisteria.

—**caffra.** **MILL-1. 30¢**
S. Af. tr. to 20 ft; purple fls in erect panicles.

—**oblata.** **MILL-2. 40¢**
South Rhodesian Tree Wisteria; (X).

MIMOSA. (mim-MOH-suh)
Sensitive Plant. Leguminosae. They are mainly tropical subjects; some are GH plants in the North.

—**pubica.** **MIMO-7. 25¢**
Sensitive Plant. Lavender fls; grow as a TA; (VIII).

—**Speggoczi-it.** **MIMO-11. 35¢**
Shrub; rose-purple fls heads; (VI).

This Catalog goes to nearly every country in the world is the most complete Catalog published anywhere—costs but 25¢ prepaid.

MIMULUS.

(MIM-yew-lus)

Monkey Flower. Scrophulariaceae. It comes in many types; mainly warm region subjects; (IX); C-9.

—**cardinalis**, Mixed. **MIM-9. 25¢**

Scarlet and yellow fls; 1 ft; (IX); per.

—**cupreus Hybrids**. **MIM-10H. 25¢**

Large flowered Chilean; much like *M. tigrinum*.

—**guttatus**. **MIM-15. 25¢**

Yellow, spotted throat; 18"; HA or HP;

(II).

—**Whitecroft Scarlet**. **MIM-15W. 30¢**

The neatest and brightest of the genus;

3"; HP.

—**tiginus**, Mixed. **MIM-32X. 25¢**

Large flowered hybrids.

—**Fine Spotted & Tigered**. **MIM-32T. 25¢**

—**Mixed**. **MIM-X. 20¢**

MIRABILIS

Four O'Clocks, Marvel of Peru. Nyctaginaceae. Annuals and perennials, all of which are tender and grown as tender annuals in the North. The seeds are best sown where they are to grow; the roots can be dug up in the fall and wintered over like Dahlias; C-7.

—**Jalapa**. **MIRA-6X. 20¢**

Four O'Clocks. Red, yellow and white;

3 ft; TP grow as TA. **Oz. 35¢.**

—**Dwarf Mixed**. **MIRA-6DX. 20¢**

A dwarf compact type; 2 ft.

—**Dwarf Variegated**. **MIRA-6DX. 20¢**

Variegated leaves; 2 ft.

—**longifolia White**. **MIRA-7W. 25¢**

3 ft; TP grow as TA.

—**Violet**. **MIRA-7V. 20¢**

—**Mixed**. **MIRA-7X. 20¢**

—**uniflora**. **MIRA-10. 25¢**

Bright rose; showy and unusual; free

blooming.

—**Mixed Mirabilis**. **MIRA-X. 20¢**

MISCANTHUS.

(mis-KANTH-os)

Eulalia. Gramineae. Tall ornamental grasses with awned spiklets in large silky terminal panicles; have a striking effect.

—**sinensis**. **MISC-2. 25¢**

(*Eulalia japonica*) To 10 ft; panicles 2 ft long; hardy in (IV).

—**zebrinus**. **MISC-2Z. 25¢**

Zebra-Grass. Leaves banded; ornamental grass; 10 ft; (IV). 1/8 oz. 80¢.

MOLTKIA.

(MOLT-kee-uh)

Boraginaceae. Perennials; rockery plants.

—**petraea**. **MOLT-5. 35¢**

(*Lithospermum*) Deep blue fls; HHP.

MOLUCCELLA.

(mol-eu-SEL-ah)

Labiatae. Annuals; sow seeds early in the spring or late in the fall.

—**laevis**. **MOLV-2. 25¢**

Bells of Ireland, Shell-flower, Molucca-Balm. White fragrant flowers; 3 ft; sow early in the spring or late in the fall; HA.

MONARDELLA.

(mon-ahr-DEL-ah)

Labiatae. Fragrant western Amer. plants, both annual and perennial; grown in the rockery in light sandy soil.

—**villosa**. **MONA-8. 25¢**

Purple, pink and white, 2-lipped fls; hot places; 6"; HP.

MONARDA.

(mon-NARD-uh)

Horse Mint. Labiatae. Annuals and perennials native of N. Amer; they are striking plants in groups in the border or in beds; showy clusters of flowers; C-23.

—**didyma**.

(Kalmiana) Bee Balm. Flowers in terminal clusters; 3 ft; HP.

—**superba rosea**. **MOND-3S. 40¢**

Large rose heads.

—**alba**. **MOND-3A. 35¢**

—**New Hybrids**. **MOND-3H. 25¢**

Seed saved from the Cabham Hall Strain which includes many new colors; attractive shades of pink, red, lavender, mauve, purple and ruby; 2-3 ft; HP.

—**fistulosa**.

Wild Bergamot. Purple fls; 3 ft; (IV); HP.

—**pectinata**. **MOND-13. 25¢**

(citridora) Lemon-mint. Fls yellowish

white; HA.

—**Mixed**. **MOND-X. 20¢**

MOMORDICA.

(mom-MORD-ik-uh)

Charanthea, Balsam Apple. Cucurbitaceae. Two annual vines, easily grown from seed.

—**Balsamia**. **MOMO-1. 25¢**

Balsam Apple. Vine; orange fruits; TA.

—**Charanthia**. **MOMO-2. 25¢**

Balsam Pear. Ornamental vine; orange-

yellow fruits; TA.

MONTANOA.

Compositae. Shrubs or small trees, native of Mexico; start seeds indoors. ,

—**bipinnafida**. **MON-2. 25¢**

Flower heads 3" across; white rays; 8 ft;

(X); GH.

MONTIA.

(MONT-ee-uh)

Portulacaceae. Small plants with fleshy leaves, one grown as a salad or pot herb; sow seeds where they are to grow—in early spring or summer.

—**perfoliata**. **MONT-4. 25¢**

Winter Purslane. Salad herb. 6"; TA.

MOONFLOWER: see *Calyonction*.

MORAEA.

(mho-REE-uh)

Iridaceae. Mainly Af. plants, often listed under Dietes; they are not hardy in the N but grow well in the far S; (X); similar to Iris.

—**catamulata**. **MORE-3. 30¢**

—**Huttonii**. **MORE-10. 30¢**

Rather tender; yellow fls.

—**iridioides**. **MORE--12. 30¢**

To 2 ft; beautiful large white fls with yellow bands 1½" long; drought resistant.

—**Johnsonii**. **MORE-11. 30¢**

—**polystachya**. **MORE-20. 30¢**

Best known; lilac with large yellow

spots; 3 ft; (X).

—**zambesiaca**. **MORE-30. 30¢**

South Rhodesian species.

—**Mixed**. **MORE-X. 30¢**

MORINA.

—**betenocoides**. **MORN-1. 30¢**

Asian thistle-like flower; HP.

MORUS.

(MOH-rus)

—**alba**. **MORU-2. 30¢**

White Mulberry. Tall tree; best sown in spring; takes several weeks to germinate or they can be sown late in the fall.

MULGEDIUM: see *Lactuca*.

MUSA.

(MEW-zuh)

Banana. Musaceae. They are mainly indoor subjects in the North; (X).

- Arnoldiana.** **MUSA-1.** 50¢
15 ft; (X); C-45. 100 seeds \$4.50.
—**Enseta.** **MUSA-5.** 50¢
Abyssinian B. 40 ft; (X). 100 sd. \$7.00.
C-45; about 25 seeds per ounce.
—**religiosa.** **MUSA-11.** 50¢
8 ft; not edible; India; (X). 100 sd \$4.00.
—**rosacea.** **MUSA-12.** 50¢
To 6 ft; not edible; India; (X). 100 sd \$4.00

MUSCARI. (mus-KAY-ry)
Grape Hyacinths. Liliaceae. Spring flowering bulbs with urn-shaped nodding blooms in racemes or spikes; they are easily grown, both from seed and bulbs; grow them in mass plantings at edge of borders; see Fall Bulb List for bulbs.

- azureum.** **HYAC-2.** 25¢
(Hyacinthus) Flowers in erect racemes; 1 ft; HP.
—**comosum.** **MUSC-3.** 35¢
Blue or violet fls; 1 ft; HP.
—**latifolium.** **MUSC-8.** 35¢
Blue fls; 1 ft; very showy; HBB.
—**macrocarpum.** **MUSC-9.** 50¢
Unusual in having twany yellow fls; 3".
—**paradoxum.** **MUSC-16.** 30¢
Blue-black fls in dense racemes; 9"; Caucasus; HBB.
—**Mixed.** **MUSC- X.** 25¢

MYOPORUM. (mye-OP-or-um)
Myoporaceae. Australian plants, fairly hardy there and useful for dwarf windbreaks, hedges, sand binders and specimen shrubs. There are some real gems in the genus.

- serratum.** **MYOP-6.** 30¢
Grown in the GH in the North; (IX).
—**laetum.** **MYOP-4.** 30¢
Robust shrub to 25 ft; thick shining green leaves with translucent oil dots making small windows thru leaf; drought resistant; good wind-break or tub plant; purple berries; fls white with purple lines; (VIII); NZ.

MYOSOTIDIUM. (oh-soh-TID-ee-um)
Boraginaceae. A single perennial native of Chatham Isles, N. Z.; azure-blue fls in dense cymes to 6" across; 2-3 ft; fresh seed.
—**hortensis.** **MYOT-3.** 30¢
The leaves are large and attractive, deep green and glossy, nearly as large as Rhubarb. The fls, 2 ft. high, are in heads 4-6" across bright blue. The soil must be mellow and never dried out; semi-shade; it want stand below 20 degrees Far.

MYOSOTIS

Forget-Me-Not. Boraginaceae. Small annuals, biennials and perennials with many small blue, rose or white fls in terminal racemes. They thrive in a cool moist partially shaded place, blooming the second year unless started early; following hybrids C-31.

- A. Fischer.** **MYOS-1A.** 25¢
Deep blue, large fls; very choice; 8".
—**Blue Ball.** **MYOS-1B.** 25¢
Deep indigo-blue; compact ball-shaped plants; 10".
—**Blue Bird.** **MYOS-1D.** 25¢
A large flowered variety in dark blue.
—**Blue Eyes.** **MYOS-1E.** 25¢
Pretty bright blue with white eye.
—**Gerda Seager.** **MYOS-1S.** 25¢
Blooms 8-10 days earlier; pretty blue.
—**Marga Seager.** **MYOS-1R.** 25¢
Excellent pot plant for forcing; large blue flowers.
—**Messidor.** **MYOS-1M.** 25¢
A rich blue color.
—**Star of Love.** **MYOS-1T.** 25¢

- Sky-blue; nice pot plant; floriferous.
—**Sylphe.** **MYOS-1W.** 25¢
A pure white form.
—**Victoria.** **MYOS-1V.** 25¢
Dwarf; dark royal blue; C-31.
—**Above Mixed.** **MYOS-1X.** 25¢

OTHER SPECIES:

- arvensis.** **MYOS-2.** 25¢
White and blue fls; best for naturalizing; 18"; HA or HB.
—**disitiflora caerulea.** **MYOS-8C.** 25¢
Fine blue; low habit.
—**Scorpioides. semperifloren.** **MYOS-13S.** 25¢
Dwarf form; 8"; axure-blue.

MYRICA. (MYE-rik-uh)
Myricaceae. Ornamental shrubs or small trees; unisexual fls in catkiss; native of northern hemisphere.

- pensylvanica.** **MYRI-6.** 30¢
(M. caralinensis) Bayberry. 8 ft sh. bearing clusters of waxy bluish white aromatic berries in late July to over winter; poor soils.

MYRICARIA. (mye-rik-KAY-ree-uh)
—**germanica.** **MYRK-1.** 40¢
False-tamarisk. Deciduous woody plant; 6 ft; fls in terminal bracted racemes; HSH.

MYRRHIS. (MIHR-iss)
—**odorata.** **MYRR-1.** 35¢
Sweet Cicely. Grown for its sweet scented leaves; sow seed when ripe for best results; HP.

MYRTUS. (MERT-us)
—**bullata.** **MYRT-3.** 50¢
Striking evergreen shrub with reddish brown crinkled leaves intermingled in season with beautiful starry creamy white fls; branches reddish violet; 10 ft; (V); N.Z.
—**communis.** **MYRT-4.** 30¢
To 10 ft; sow in spring; GH in pits; (IX); it grows slowly. c.s. Oz. 50¢; lb. \$2.00.

- nigra.** **MYRT-10.** 25¢
c.s. Oz. 50¢; lb. \$2.80.
—**Ralphii.** **MYRT-12.** 40¢
Erect branching shrub with slightly bronzy leaves; white starry fls and dark red berries; 10 ft; (IX); N. Z.

NANDINA. (nan-DYE-nuh)
Berberidaceae. Showy evergreen shrub; Chnia; hardy in (V) zone; showy as GH plants.

- domestica.** **NAND-1.** 30¢
Nice evergreen shrub for the (V) zone or a fine pot-plant in the N; 8 ft; berries red and ery showy. Oz. 50¢; lb. \$3.50.
—**alba.** **NAND-1A.** 50¢
Oz. 75¢; lb. \$4.00.

NASTURTIIUMS

(Tropaeolum) Tropaeolaceae. This is a much confused classification with Water Cress, Nasturtium officinale being the only listed species. The flowers listed in the trade and also commonly known as Nasturtiums belongs to the Tropaeolaceae Family, with the genus Tropaeolum being the only member. Grow them as tender annuals giving them a warm sunny position, planting them direct; they make good fillers in Tulip beds.

SEMI-DOUBLE GLEAM: A popular type with double and semi-double fls; 18"; good for cutting. Oz. 30¢; ¼ lb. \$80.

- Apricot Gleam.** **NAST-1P.** 20¢
Bright light apricot.
—**Crimson Glow.** **NAST-1C.** 20¢

- A deep glowing golden orange.
- Fiesta.** **NAST-1T.** 20¢
- Golden orange, blotched scarlet.
- Fire.** **NAST-1F.** 20¢
- All-double bright scarlet.
- Golden Gleam.** **NAST-1G.** 20¢
- A lovely golden yellow.
- Loveliness.** **NAST-1V.** 20¢
- Bright salmon-cerise.
- Indian Chief.** **NAST-1N.** 20¢
- A new double, sweet scented, dark lvs.
- Moon.** **NAST-1M.** 20¢
- Semi-double yellow.
- Orange Gleam.** **NAST-1A.** 20¢
- The best orange. variety.
- Salmon Gleam.** **NAST-1S.** 20¢
- Lovely rich salmon.
- Scarlet Gleam.** **NAST-1L.** 20¢
- Fine rich red.
- Gleam Mixed.** **NAST-1X.** 15¢

GLOBE TYPE: Giant double flowers; 1 ft. plants; excellent bedder. Oz. 30¢.

- Apricot Queen.** **NAST-2AQ.** 20¢
- Delightful.** **NAST-2D.** 20¢
- Black Beauty.** **NAST-2B.** 20¢
- Compact, very dark lvs; double fls, deep scarlet.
- Soft salmon-cerise.
- Fiesta.** **NAST-2F.** 20¢
- Garnet Gem.** **NAST-2A.** 20¢
- A deep crimson.
- Golden Globe.** **NAST-2G.** 20¢
- Excellent golden yellow.
- Golden Rose Emperor.** **NAST-2R.** 20¢
- Lovely rose with dark leaves.
- Mahogany Gem.** **NAST-2M.** 20¢
- A deep mahogany color; showy.
- Orange Gem.** **NAST-2N.** 20¢
- Scarlet Empress.** **NAST-2E.** 20¢
- Fine scarlet with dark foliage.
- Scarlet Globe.** **NAST-2S.** 20¢
- A popular scarlet variety.

-
- Yellow King.** **NAST-2Y.** 25¢
 - A new yellow color; fls are clear banana-yellow; dark lvs; plants dwarf and compact. Oz. 40¢.
-

- Globe Blend.** **NAST-2X.** 15¢

DWARF or TOM THUMB TYPE: All have single flowers; 1 ft. high and will withstand more adverse conditions.

- Empress of India.** **NAST-3E.** 20¢
- Velvety dark scarlet with dark leaves.
- Faltham Beauty.** **NAST-3F.** 20¢
- A brilliant scarlet.
- Golden King.** **NAST-3G.** 20¢
- A rich golden yellow.
- Fireball.** **NAST-3B.** 20¢
- Compact; dark leaves; bright scarlet flowers well above the foliage.
- King of the Tom Thumbs.** **NAST-3K.** 20¢
- Bright scarlet; dark leaves.
- King Theodore.** **NAST-3T.** 20¢
- Dark red; dark foliage.
- Lady Bird.** **NAST-3L.** 20¢
- Lovely rich yellow, scarlet spotted; dark foliage.
- Ruby King.** **NAST-3R.** 20¢
- Ruby-red; dark foliage.
- Vesuvius.** **NAST-3V.** 20¢
- Brilliant salmon-rose; dark foliage.
- Blend of Above.** **NAST-3X.** 15¢

TALL or CLIMBING TYPE. To 3 ft; they should have support. Oz. 30¢; lb. \$2.75.

- Chameleon.** **NAST-4C.** 20¢
- Is in several blends of color.
- Dunnett's Orange.** **NAST-4D.** 20¢
- One of the best orange varieties.
- King Theodore.** **NAST-4K.** 20¢
- Dark foliage; dark red flowers.
- Pearl.** **NAST-4P.** 20¢
- Lovely cream-white.

- Prince Henry.** **NAST-4H.** 20¢
- Clear yellow with red spots.
- Salmon rose.** **NAST-4SR.** 20¢
- Von Molike.** **NAST-4V.** 20¢
- A lovely rosy blue.
- Tall Blend.** **NAST-4X.** 15¢

LOBBIANUM: (N. peltophorium) Round leaves; single flowers; climbing.

- Spitfire.** **NAST-5S.** 20¢
- Intense red variety.
- Lucifer.** **NAST-5L.** 20¢
- Orange-red.
- Beauty of Malvern.** **NAST-3M.** 20¢
- Mixed.** **NAST-5X.** 15¢

-
- pergrinum.** **TROP-7.** 20¢
 - Canary-Bird-Vine. See Tropaeolum.

NELUMBIUM. (nee-LUM-bee-um)
Lotus. Nymphaeaceae. Aquatic plants; most seed germinate better if filed.

- Nelumbo.** **NELU-3.** 40¢
- East Indian Lotus. Pink or rose fls; (X); file seeds. 100 seeds \$4.00.
- album.** **NELU-3A.** 40¢

NEMESIA. (nem-MEESH-ee-ah)

- strumosa Orange King.** **NEME-10K.** 20¢
- Compact; large orange fls; TA; C-16.

- Aurora.** **NEME-10A.** 20¢
- Bicolor, carmine and white.

- Suttonii.** **NEME-10S.** 20¢
- Dark scarlet.

- Orange.** **NEME-10SG.** 20¢
- Orange Prince.** **NEME-10P.** 20¢

- Blue Gem.** **NEME-10B.** 20¢
- Compact large flowered blue.

- Twilight.** **NEME-10T.** 20¢
- Compact large flowered blue and white.

- New Blue.** **NEME-10B.** 20¢
- Blend of Above.** **NEME-10X.** 20¢

- vericolor Fire King.** **NEME-11K.** 20¢
- Compact; dwarf; scarlet-crimson.

- Mixed.** **NEME-11X.** 20¢
- Nemesia All Mixed.** **NEME-X.** 20¢

NEMOPHILA. (nee-MOFF-il-ah)

- DW; C-2.
- maculata.** **NEMO-2.** 20¢

Five-Spot. Deep purple spot on tip of each lobe; HHA.



NEMOPHILA—Baby Blue Eyes

- Menziesii. v. crambeoides.** **NEMO-3C.** 20¢
- Baby-Blue-Eyes. Blue; HHA.

- White.** **NEMO-3W.** 20¢
- atomaria.** **NEMO-3A.** 20¢

- Paler blue, dotted purple or black.
- Holborn Blue Bell.** **NEMO-3H.** 20¢

- discoidalis.** **NEMO-3D.** 20¢
- Bluish purple centers; white on edges.

- Mixed.** **NEMO-3X.** 20¢
- Ounce \$1.00.

- All Mixed.** **NEMO-X.** 20¢

NEPETA.

(NEP-ee-tah)

Catnip. Labiatae. Aromatic annuals and perennials with white and blue flowers in whorls, clusters or spikes. Some species are very pretty and can be grown in shade; easily grown; C-23.

—**Cataria.****NEPE-3.** 20¢

Catnip. Whitish or pale purple fls; 1½ ft; HP.

—**citriodora.****NEPE-3C.** 25¢—**Mussinii.****NEPE-10.** 25¢**NERIUM.**

(NEER-ee-um)

—**Oleander.****NERE-8.** 25¢

Oleander. Oz. 50¢; lb. \$2.00.

NERTERA

(NERT-er-uh)

Liliaceae. Bog-Asphodel. Rhizomatous plants with grass-like leaves and small flowers in terminal racemes. Found in marshes of New Jersey.

—**granadensis.****NERT-1.** 40¢

(N. depressa) Bead Plant. Orange fruits; ornamental; GH in North; (IX).

NEOLLOYDIA: see in list under **Cacti.**

NICANDRA.

(nye-KAND-ruh)

—**Physalodes.****NICA-1.** 25¢

Shoo-Fly Plant. Sky-blue bells, 1" ac; 3 ft; HHA.

NICOTIANA

Flowering Tobacco. (nik-oh-she-AY-nuh) Solanaceae. Large tender annual or perennial plants with long tubular, fragrant fls in white, yellow, greenish or purple, in terminal panicles or racemes; many night blooming; easily grown; popular; LW; C-9.

—**alata gr. fl. Daylight.****NICO-3D.** 20¢

(affinis) Jasmine Tobacco. (X).

—**French Hybrids.****NICO-3F.** 20¢—**Sweet Scented White.****NICO-3W.** 20¢—**Hybrids.****NICO-3H.** 20¢—**Sanderae, Crimson King.****NICO-3K.** 20¢

Salver-form fls; crimson; hyb'd; 3 ft; TA.

—**suaveolens.****NICO-3I.** 20¢

White nodding flowers; fragrant; 2 ft; TA.

—**sylvestris.****NICO-33.** 20¢—**Mixed.****NICO-X.** 20¢**NIEREMBERGIA.** (nee-rem-BERG-ee-uh)—**hippomonica.****NIER-7.** 25¢

Large blue fls all summer long; C-22.

—**Purple Robe.****NIER-7P.** 25¢

Fine purple variety.

NIGELLA.

(nye-JELL-uh)

Fennel-flower. Ranunculaceae. C-2.

—**damascena, Miss Jekyll.****NIG-3J.** 20¢

Love-in-a-Mist. Double indigo-blue fls; 18";

—**hispanica.****NIG-6.** 20¢—**Miss Jekyll.****NIG-6J.** 20¢

Excellent variety with large white flowers; HHA.

NOLANA.

(nol-LAY-nuh)

—**striplifolia alba.****NOLA-1.** 20¢

White flowers, 2" across; 1 ft; good basket or window box plant. ½ Oz. 40¢.

NOLINA.

(NOLT-ee-uh)

Liliaceae. A desert plant producing a tree-like trunk; small whitish fls and stiff linear lvs; for warm sections.

—**longifolia.****NOLI-3.** 25¢

(Dasyliron) Desert plant; 10 ft.

Small Orders can be sent in Postage Stamps

NOMOCHARIS.—**ageria.****NOMO-2.** 25¢**NOTHOFAGUS.**

(noth-oh-FAY-gus)

Fagaceae. Beech-like sh and tr found in S. Hemisphere; hardy only in (X) zone; it is very likely, the seed should be planted as fresh as possible; plant in good leaf mould.

—**fusca.****NOTF-10.** 40¢

To 100 ft; (IX); N. Z.; reddish autumn tints in foliage.

NOTHOPANAX.

(noth-oh-PAY-nax)

Araliaceae. Evergreen trees and shrubs from the S. Pacific; those offered are ornamental; (IX).

—**arboresum.****NOTH-3.** 35¢

i N. Z. tree to 20 ft; purplish black fls in compound umbels; (IX).

NOTOCACTUS: see in list under **Cacti.**

OCIMUM.

(OSS-im-um)

Basil. Labiatae. Aromatic tender annuals grown in the herb garden for their value as seasoning and fragrance. Start indoor in North for early crop. Cut leaves just before flowers are in full bloom for drying for winter use.

O. BASILICUM: Basil..

—**Lettuze-Leaf, Green.****OCIM-1L.** 20¢

Large tender leaves; 2 ft; TA. Oz. 45¢; lb. \$2.00.

—**Purple Bush.****OCIM-1P.** 20¢

Oz. 50¢; lb. \$4.00.

—**Green Bush.****OCIM-1G.** 20¢

Oz. 50¢ lb. \$4.00.

OENOTHERA

Evening Primrose. Onagraceae. A very large and extended group of annuals, biennials, all sun loving, dry land plants easily grown from seed. Common color is yellow; few reds and pinks; (e-no-THER-uh); C-1.

—**Drummondii.****OENO-23.** 25¢

Bright yellow fls, 2" across; 1-2 ft; HA.

—**flava.****OENO-25.** 30¢

—**fruticosa.** **OENO-26.** 20¢

Showy yellow fls, 2" ac; dry land; 1-3 ft; HP; C-23.

—**Jamesii.****OENO-29.** 30¢

Yellow fls, 1" ac; 4 attractive petals; 8 ft; (VIII); HP.

—**Lamarckiana.****OENO-33.** 20¢

Yellow fls, 2" ac; 3 ft; HP.

—**missouriensis.****OENO-40.** 20¢

Yellow fls, 4-6" ac; 1 ft; HP; C-23.

—**odoraia.****OENO-43.** 20¢

Yellow fragrant fls fading to reddish; fragrant; 4 ft; HA.

—**Oklahomensis.****OENO-39.** 25¢

Similar to O. Missouriensis.

—**rhombipetala.****OENO-51.** 20¢

Yellow fls, 2" ac; 4 ft; HB.

—**spinulosa.****OENO-57.** 40¢

(Meriolix) Larger fls than O. serrulata; yellow, 3" ac; (III).

—**trilobia.****OENO-74.** 25¢

Stemless; yellow fls, 3" ac; 4 ft; (V); HP.

—**Mixed Oenothera.****OENO-X.** 20¢**OLEA.**

(OH-lee-ah)

—**europaea.****OLEA-5.** 30¢

Olive. 25 ft; (IX).

OLDENBERGIA.

(old-den-BERG-ee-uh)

—**arbuscula.****OLD-1.** 40¢

Large decorative lvs; 7 ft; S. Af. shrub.

OLEARIA.

(oh-lee-AY-ree-uh)

Daisy Tree, Compositae. Contains a number of very fine shrubs and near trees, native of Australia, and closely allied to the Perennial Aster. Long flowering period; the smaller growing species make fine pot-plants.

—**Allomia.****OLER-3.** 50¢

A rare tree daisy from N. Z.; 1-3 ft; white fls; (X).

—**arborescens.****OLER-4.** 35¢

Shrub; 12 ft; N. Z.

—**surfacea.****OLER-10.** 25¢

New Zealand Tree Aster.

—**chathamica.****OLER-8.** 30¢

White-purple fls; 5 ft; (IX); N. Z.

—**Cheesemania.****OLER-12.** 40¢**OMPHALODES.**

(om-fal-LOH-deez)

—**linifolia.****OMPH-5.** 25¢

(Cynoglossum) White fls, ½" ac; TA.

—**Lucillae.****OMPH-6.** 50¢

Sky-blue fls; 8 ft; HP.

ONCOBA.

(ON-koh-bah)

—**Routledgei.****ONCO-5.** 25¢

African tree; many Camellia-like white flowers; yellow centers; (IX).

—**spinosa.****ONCO-6.** 50¢

Large white flat flowers; 8-10 ft; S. Af; TSh; (IX).

ONONIS.

(on-NOH-niss)

Rest-Harrow. Leguminosae. They are easily grown and are good plants for the border or rockery. Flowers are either solitary or in racemes.

—**rotundifolia.****ONON-15.** 35¢

Bright; shrubby; 1½ ft; HP.

ONOPORDUM.

(on-oh-PORD-um)

Compositae. Thistle-like plants of Old World; flowers in clustered heads, purple or white disks.

—**Acanthium.****ONOP-1.** 25¢

Scotch Thistle. HB; 9 ft.

ONOSMA.

(oh-NOZ-mah)

Boragmaceae. Annuals, biennials and perennials with extremely attractive flowers in white, yellow or purple, in one-sided clusters. They do well in sun or part shade; suitable for the border or rockery; easy.

—**stellatum tauricum.****ONOS-8.** 25¢

Gold Drop. Golden yellow fls; wall plant 8"; HP.

—**tubiflorum.****ONOS-14.** 50¢

Fls in racemes; Bulgaria; HP.

OPHIOPOGON.

(off-ee-oh-POH-gon)

Lily Turf. Liliaceae. Turf forming plants with racemes of small whitish flowers and grass-like leaves, often striped and spotted with white or yellow; useful for turf or border edgings that require no clipping; not extra hardy in the North; sun or shade; (V).

—**Clarkei.****OPHI-4.** 30¢—**intermedius.****OPHI-6.** 25¢

OPULASTER: see *Physocarpus*.

OPUNTA.

(op-PUNT-ee-uh)

—**compressa.****OPUN-59.** 30¢

(humifusa) Yellow fls, 2-3" ac; (IV); HP.

—**Ficus-indica.****OPUN-93.** 30¢

Indian Fig. 15 ft; (X).

—**Mixed Species.****OPUN-X.** 30¢

OREOCEREUS: see in list under *Cacti*.

OREODOXA: see *ROYSTONEA*.

ORIXA.—**japonica.****ORIX-1.** 50¢**ORMOSIA.**—**monosperma.****ORMO-1.** 50¢

Necklace Tree. Indian ornamental tree.

ORNITHOGALUM. (or-nith-THOG-al-um)

Liliaceae. Bulbous plants with white, yellow or reddish flowers in bracted racemes or corymbs. The tender species are grown as a pot plant in the North.

—**caudatum.****ORNI-4.** 40¢

White flowers with green centers; 3 ft; GH; (X).

OROBUS vernus: see *Lathyrus vernus*.

ORTHOCARPUS.

(orth-oh-KARP-us)

—**tenuifolius.****ORTH-4.** 30¢

Owl's Clover. Yellow fls; 8"; HA..

OSBECKIA.—**White.****OSBE-1.** 25¢**OSMARONIA.**

(os-mar-ROH-nee-uh)

—**cerasiformis.****OSMR-1.** 50¢

W. N. Amer decid. sh.; very early to fl; little white scented pendent tassels, loved by the bees; fls on female shs; prefers lime-free soil but not necessary; 10 ft; sow seeds in fall or stratify. (Nuttalia); (IV); Oseberry.

OSTEOSPERMUM.—**Echlonis.****OSTE-4.** 50¢

Van Slanden's Daisy. (Dimorphotheca) White flowers rays; 2 ft; sub-sh'b; TP; (IX).

OTHAKE: see *Polypteria Hookeriana*.

OURATEA.—**littoralis.****OURA-9.** 40¢**OXALIS.**

(OX-al-las)

—**corniculata purpurea.****OXAL-11.** 30¢

Creeping perennial; light yellow fls; purple leaves.

OXYDENDRON.

(ox-id-DEN-drum)

—**arboreum.****OXYD-1.** 50¢

Sour-Wood, Sorrel-Tree. Ornamental tr; sow in frame, keep shaded and moist till germinated; (V).

OXPETALUM.

(ox-PET-al-um)

—**caeruleum.****OXPY-1.** 25¢

Twining herb; blue flowers; (X).

OXYRIA.

Polygonaceae. Low erect perennials especially nice for the rockery.

—**digyna.****OXYR-2.** 50¢

1 ft; many flowers; RG; HP.

PACHYSTEGIA.

(pak-iss-STEG-ee-uh)

Compositae. N. Z. shrubs much like *Olearia*; mostly zone (X).

—**insignis v. minor.****PAC-2M.** 30¢

Lovely little sh; gray lvs; large daisy-like fls; heads 3" ac with white rays and yellow disks; ideal for rockery.

PACRATIUM.—**illyricum.****PANC-6.** 30¢

Summer flowering bulbs.

PAICUM plicatum: see *Sataria plicata*.

PAEONIA.

(pee-OH-nee-uh) Ranunculaceae. Peony. The species come true from seed and are interesting subjects where one has room to grow a Peony collection. The seeds are best right after harvest. For Peony roots see Iris List.

- Brownii.** **PAEO-4. 50¢**
Charming dwarf with brownish red flower petals; native of our western mountains.
- cambessadesii.** **PAEO-5. 75¢**
April flowering; single pink fls amid green and red leaves; handsome in autumn with scarlet and black seed boxes; 1 ft; fresh seed in October or November.
- peregrina.** **PAEO-24. 30¢**
Bright crimson fls, 4" ac; 2 ft; (arietina). e. c. Oz. 50¢; lb. \$3.00.

NOTE: I would like to contact anyone in a position to supply seed of Peony species.

PALIURUS.

(pal-ee-YEW-rus)

- Spina-Christi.** **PALL-5. 25¢**
Christ Thorn, Jerusalem Thorn; (VI). c. s. Oz. 50¢; lb. \$1.50.

PANAX.

(PAY-nax)

- quinquefolium.** **PANA-3. 30¢**
Ginseng. Grown for its roots; shade; 18"; HP. (kwin-kwef-FOH-ee-um) 100 sds \$3.00.

PANDANUS.

(pan-DAP-nus)

- odoratissimus.** **PAND-9. 90¢**
Grown in the GH or hardy in (IX) zone. (oh-dor-at-TISS-im-us) 100 seeds \$4.00.

PANDIAEA.

- Species.** **PAN-1. 25¢**
Seed from South Rhodesia.

PANDIAKA.

- Species.** **PANK-1. 25¢**
Seeds from South Rhodesia.

PANICUM.

(PAN-ik-um)

- capillare.** **PANI-1. 25¢**
Witch Grass. Everlasting; 2 ft; HA.

PANSY

Viola tricolor. *Violaceae.* Pansies are best grown as a hardy annual or biennial, especially in the North. They do best in a rich loamy soil and not exposed to hot, dry winds; they stand some shade. Seeds can be started indoors very early in a cool place and the plants shifted to flats and placed in a cold frame transplanting them to their out door beds in early May or they can be started in July, even as late as August and the plants established well before fall or wintered over in a frame. We sell a great amount of Pansy seed annually and will be pleased to quote special pound prices to commercial growers; for best prices orders should be placed before April for summer delivery; on these early orders it will not be necessary to remit at the time.

GIANT FLOWERING SWISS GIANTS:

Probably the most popular of the large flowering type Pansies; they are very large flowering, clear colors, both one color and in two color combinations.

- Alplinglow.** **PANS-1A. 25¢**
A large flowered bright scarlet.
- Bergwacht.** **PANS-1G. 25¢**
Velvety violet-blue.

- Berna.** **PANS-1B. 25¢**
Velvety dark blue.
- Blumlisalp.** **PANS-1L. 25¢**
Soft rose with a beautiful velvety blotch
- Cardinal.** **PANS-1D. 25¢**
Bright red; very showy variety.
- Claret.** **PANS-1C. 25¢**
An attractive wine-red.
- Evening Glow.** **PANS-1E. 25¢**
Lovely copper-red; giant flowers.
- Flame.** **PANS-1F. 25¢**
Aa attractive wine-red.
- Gold Spot.** **PANS-1N. 25¢**
Deep yellow with a pure white spot.
- Laura.** **PANS-1LA. 25¢**
A showy rosy lilac.
- Mont Blanc.** **PANS-1W. 25¢**
The best pure white variety.
- Orange Sun.** **PANS-1S. 25¢**
A new variety in bright orange.
- Reingold.** **PANS-1R. 25¢**
Deep golden yellow with a dark blotch on lower three petals; showy.
- Silver Bride.** **PANS-1V. 25¢**
A glistening white.
- Ullswater.** **PANS-1U. 25¢**
Marine-blue with darker blotch of blue.
- Yellow Master.** **PANS-1Y. 25¢**
An exceptionally fine deep rich yellow.
- Wine Red.** **PANS-1WR. 25¢**
A rich showy wine-red.
- Red Wings.** **PANS-1RW. 25¢**
- Blend of Above Varieties.** **PANS-1X. 25¢**
- Dwarf Swiss Giants Mix.** **PANS-1DX. 25¢**
These are dwarf growing plants.
- Saier's Swiss Giant.** **PANS-1SX. 25¢**
This is our best blend. It is recommended highly to those growing Pansies for the box trade, where extra color is wanted. Oz. \$6.00; lb. \$45.00.

VARIOUS PANSY STRAINS:

These are all large flowered types.

-
- Westland Giants.** **PANS-2W. 30¢**
The largest flowering strain of Pansies; beautiful color variation and compact growth; ideal strain for market growers. Oz. \$6.00; lb. \$44.00.
-

- Cassier's Giants.** **PANS-2C. 25¢**
All with beautiful large blotches. Oz. \$4.00; lb. \$30.00.
 - Three Blotch.** **PANS-2CT. 25¢**
 - Cornation Gold.** **PANS-2N. 25¢**
A giant pure golden yellow; very showy.
 - Englemann's Giants.** **PANS-2E. 35¢**
These are beautiful Pansies; the petals have a lighter tone around the wavy edges; unusual red and bronze shades; compact habit. Oz. \$4.50; lb. \$35.00.
-

- FELIX.** **PANS-2F. 25¢**
This is a recently introduced strain of "whiskered" Pansies that have been well liked by those already growing them; has yellow faces bordered blue, purple, bronze and red. Oz. \$6.00; lb. \$43.00.
-

- Maple Leaf.** **PANS-2M. 25¢**
Husky growers; dark green foliage; full color range.
- Masterpiece.** **PANS-2P. 25¢**
Daintily ruffled and frilled; rich reds and browns. Oz. \$3.50; lb. \$28.00.
- Orchid Flowered.** **PANS-2H. 25¢**
Waved and curled petals in full colors. Oz. \$6.00; lb. \$40.00.
- Tigress.** **PANS-2T. 30¢**
A new striped and flamed strain, in a very choice mixture; extremely beautiful. ½ Oz. \$2.00.
- Scottish Exhibition.** **PANS-2R. 25¢**



PANSY—OREGON GIANTS

Mammoth flowers, heavily blotched; petals of circular outline. Oz. \$5.50.

—Scottish Yellow.

Deep rich golden yellow; very large fls; 2-2½" ac; plants compact and uniform; 5-6" high. ½ Oz. \$2.00.

—Oregon Giants.

Bright blend of giant flowered Pansies.

PANS-2CY. 30¢

PANS-2G. 25¢

TRIMARDEAU: Excellent type for bedding; has a very choice color range; they stand more neglect than the large flowered strains. They are also good for planting farther South where the hot summers eliminate the large strains.

—Mixed Colors.

PANS-9X. 25¢

HIEMALIS: Ice Pansy. They flower very early, even in the snow and while the flowers are smaller, they are distinct and showy for the time of year they flower; they should be planted so as to be protected from the sun.

—Blue Boy.

Showy silver blue.

—Claret.

Beautiful wine-red.

—Celestial Queen.

Brilliant light blue.

—Ice King.

Snow white with black eye; showy.

—March Beauty.

Dark velvety purple.

—North Pole.

Pure icy white.

—Winter Sun.

Golden yellow with showy dark blotch.

—Zurich Sea.

Very showy light blue.

—Woden.

Black; king of the spring garden.

—Hiemalis Blend.

—ALL PANSY BLEND.

Contains all the Pansies listed above plus many other kinds. Oz. \$2.00; lb. \$20.00.

PANS-3B. 25¢

PANS-3C. 25¢

PANS-3Q. 25¢

PANS-3K. 30¢

PANS-3M. 25¢

PANS-3N. 30¢

PANS-3S. 25¢

PANS-3Z. 25¢

PANS-3W. 25¢

PANS-3X. 25¢

PANS-X. 25¢

PAPAVER: see under **POPPY.**

PARKINSONIA.

(pah-kin-SOH-nee-ah)

Leguminosae. Tropical and sub-tropical shrubs and trees with whitish or yellow racemes and flattened leathery pods; none are hardy in the North but some are native up to Texas and Arizona.

—aculata.

A good hedge shrub or tree; (IX).

PARK-1. 30¢

PARMENTIERA.

(pah-ment-YEER-uh)

—cereifera.

Candle Tree. White flowers 3" long; followed by fruits to 4 ft. long, resembling candles; (IX). (see-RIF-er-ah).

PARM-3. 30¢

PARNASSIA.

(par-NASS-ee-uh)

—nubicola.

Small grass-like herbs; India; damp spots (new-BIK-ol-ah).

PARN-1. 25¢

—pulustris.

Flowers 1" across; (IV); HP.

PARN-15. 25¢

—Mixed.

Several species mixed.

PARN-X. 20¢

PARONYCHIA.

(par-oh-NIK-ee-uh)

Whitlow-wort, Nail-wort.

Small herbaceous tufted annuals and perennials with small clustered flowers. They are especially nice in the rockery and easy to grow.

—argentea.

Prostrate; white flowers in dense clusters amongst the lvs; HHP; (ar-JEN-tee-ah).

—serpyllifolia.

(capitata) Silvery white fls in dense terminals; sod forming; 6"; creeping root-stalks.

PARON-1. 30¢

PARON-15. 50¢

No lots, when quoted by the ounce, at less than 50¢, minimum.....¼ and ½ oz. rate at oz. price, if not less than 50¢.

PARROTIA.

(par-ROH-tee-uh)

—**persica.****PARR-2. 25¢**

Small tree, slow grower; perfectly hardy; very good; autumn coloring; (PER-sik-ah).

PARSONIA: see *Cuphea*.**PARTHENOCISSUS.** (parth-en-oh-SISS-us)—**quinquefolia.****PART-5. 25¢**

Virginia Creeper. Hardy vine to 10 ft.

—**tricuspidata v. Veitchii.****PART-7. 25¢**

Boston Ivy. Young leaves purple; vine grown mainly on stone or brick walls; to 60 ft; hardy; (IV); (try-kusp-id-DAY-tah).

PASSIFLORA

Passion Flower. Passifloraceae. Mostly tendril climbing plants, not hardy in the North but many are grown indoors where they make good house plants. In pots use some leaf mould in a fibrous loam and give liquid manure when in growth; (patt-ef-FLOH-ruh).

—**antioquensis.****PASS-4. 40¢**

(Tacsonia Van-Volxemii). Bright red fls to 4" across; (X). 100 seeds \$2.25.

—**Byronoides****PASS-7. 40¢**

Low growing herbaceous cl. bearing dainty blue and white fls, ¾" ac, followed by small black fruits.

—**cinnabarina.****PASS-9. 40¢**

One of the few native Aust. Passion climber; evergreen; not an over-vigorous cl. bearing red star-shaped fls, 2" ac with small yellow crown followed by green aromatic fruits; poor soils; (X).

—**caerulea.****PASS-8. 40¢**Pale pink fls; fruits yellow; (X); or GH. (see-REW-lee-ah); **Oz. 75¢; lb. \$6.00.**—**edulis.****PASS-12. 40¢**

Purple Granadilla. White fls, 2" ac; fruits purple; edible; (ED-yew-liss).

—**incarnata.****PASS-17. 25¢**

White flowers shading to pink with rings around blossom; Va-Texas.

—**molliissima.****PASS-29. 40¢**

Rose flrs, 3" across; yellow fruits; (X). (mol-LISS-im-ah).

—**quadrangularis.****PASS-32. 40¢**

Giant Granadilla. White fls, 3" ac; (X).

—**subpeltata.****PASS-39. 40¢**

(P. alba) Pure white fls, 2" ac; Mexico.

—**tomentosa speciosa.****PASS-44S. 25¢**

Tall grower but not a wild one; fls 3" across, a beautiful deep pink shade; petals surround a purple collar of rather coarse hairs; fls the year around; is used in floral work; N. Z.

PAULOWNIA.

(pol-LOH-nee-uh)

—**tomentosa.****PAUL-4. 30¢**A pretty ornamental tree to 40 ft; pale violet fls, spotted darker inside; fragrant; (VI); seedlings damp off easily; give air circulation, especially at night; best sow in spring; (imperialis). **Oz. 50¢; lb. \$2.50.****PAW PAW:** see *Asimina triloba*.**PEDICULARIS.** (ped-ik-yew-LAY-riss)

Wood-Botony, Lousewort. Scrophulariaceae. Annuals and perennials with 2-lipped flowers in spiked clusters in whitish and reddish colors and used in the rockery and border with good effect.

—**densiflora.****PEDI-4. 25¢**

Very brilliant scarlet fls; woodland; 1 ft; Calif; HP.

—**groenlandica.****PEDI-5. 25¢**

Red and purple flowers; 18"; hardy; HP.

—**siphonantha.****PEDI-12. 25¢**

Pink fls; beautiful leaves; rockery; HP.

—**Mixed.****PEDI-X. 25¢****PELAGORNIUM.** (per-ahr-GON-nee-um)

Stork's Bill. Geraniaceae. The Geranium of the greenhouse, all tender perennials. Many pretty forms can be grown from seed.

—**graveolens.****PELA-18. 40¢**

Rose Geranium. Rose flowers; 2-3 ft; fragrant; (grav-VEE-ol-enz).

—**odoratissimum.****PELA-28. 50¢**

Apple or Nutmeg Geranium. White fls in 5-10 fl'ed umbels; (oh-dor-at-TISS-im-um).

—**zonale, Mixed.****PELA-35. 30¢**A choice selection made from a large European collection; (zoh-NAY-lah). **Oz. \$8.00.****PELTOPHORUM.**

(pel-TOH-flor-um)

(Baryxylum) Leguminosae. Tropical ornamental trees with showy yellow flowers in terminal panicles and flattened winged pods.

—**africanum.****PELT-4. 40¢**

Rhodesian Black Wattle. Very ornamental tree; bright yellow flowers and feathery foliage; sweet scented; thornless; fls in terminal clusters; (X).

—**inermis.****PELT-5. 40¢**

(ferrugineum). Showy tree; (X); (in-ERM-ah); C-58.

—**Mixed****PELT-X. 30¢****PENNISETUM.**

(pen-nis-SEET-um)

Gramineae. Ornamental Grass. Annuals and perennial grasses for the border or specimen planting; useful, also, as dried grasses; start indoors early for good sized plants; TA.

—**caudatus.****PENN-2. 25¢**—**latifolium.****PENN-4. 30¢**

Grows to 4 ft; leaves 1 ft. long; spikes 4" long, nodding; Peru; HHP.

—**Ruppellii.****PENN-9. 25¢**Fountain Grass. Solitary spikes, purple, red and rose; 4 ft; TP. ¼ **Oz. 75¢.**—**villosum.****PENN-11. 25¢**(longistylum) Pretty; 2 ft; spikes plume-like; purplish; TP. ¼ **Oz. 75¢.**—**Mixed.****PENN-X. 25¢****PENSTEMONS**

Attractive genus of perennials, nearly all of which are native of N. America, one comes from Japan; bright tubular flowers on terminal racemes or panicles. They are not hard to grow; best in well drained soil; C-9 or 23.

—**aggregatus.****PENS-4. 30¢**

Showy large deep blue fls; best of the clusterheads; 1 ft; HP.

—**albertinus.****PENS-5. 25¢**

Bright blue spikes; rockery; lvs in basal rosettes; 8"; HP.

—**ambiguus.****PENS-9. 35¢**Purplish fls, rose throat; salverform; 2 ft; Colo; HP. **Oz. \$1.50.**—**arizonicus v. Heller.****PENS-14H. 35¢**

Purple fls; 8"; glabrous; (V); HP.

—**auriberbis.****PENS-15. 25¢**

Neat rockery plant; showy, pale lilac fls; golden beard; 4-8"; HP.

—**barbatus.****PENS-20. 25¢**Red fls 1" long; 6 ft; Utah; HP. **Oz. \$1.50.**—**Flat Head Lakes.****PENS-20F. 25¢**

Clear coral red; blooms all summer; nice; HP.

—**Hybrids.****PENS-20H. 25¢**

A French grow strain.

—**Barretteae.****PENS-21. 25¢**

Shrubby; rose-purple fls; 1 ft; HSh.

—**bicolor.****PENS-24. 25¢**

Yellow form; large fls; 3 ft; HP.

—**roseus.****PENS-24R. 25¢**

- H. P.
Rare Arizona form; rose-purple fls; 1 ft;
—**Bridgesii**. PENS-23. 35¢
Sub-shrub; intense scarlet fls; RG; 1 ft;
H. P.
—**Canescens**. PENS-28. 30¢
Pale purple fls; for wild garden; 3 ft; HP
—**Cardwellii**. PENS-29. 25¢
Fine sub-shrub; purple fls; broad ev. lvs;
1 ft; HP.
—**caudatus**. PENS-31. 30¢
Glaucous blue lvs; lavender or blue fls;
1 ft; HP.
—**alba**. PENS-31A. 30¢
A pretty white form.
—**centranthifolius**. PENS-36. 35¢
Scarlet fls, 1" long; Calif; 3 ft.
—**clutei** PENS-33. 30¢
Bluish lvs; rose fls touched orange; 3 ft;
HP.
—**albiflorus**. PENS-33A. 30¢
—**Cobaea**. PENS-34. 25¢
Purple fls, 2" long; 2 ft; Mo-Tex; HP.
Oz. \$1.30.
—**connatifolius**. PENS-34C. 30¢
Very pretty; large bell-shaped fls; 2 ft;
HP.
—**coloradense**. PENS-32. 30¢
Choice and neat growing; bright silver
lvs; blue fls; 3 ft; HP.
—**comarrhenus**. PENS-35. 25¢
Showy deep blue; lovely; 18"; HP.
—**congestus**. PENS-37. 25¢
Dense basal rosettes of bluish lvs; blue
spikes; 2 ft; HP.
—**cyananthus**. PENS-44. 30¢
Intense blue fls in clusters; 2 ft; HP.
—**Davidsonii**. PENS-47. 30¢
Matted alpine; lilac-purple fls; Wash; HP.
—**diffusus**. PENS-51. 30¢
Bushy; fls $\frac{3}{4}$ " long; blue or purple; B.C;
(IV); HP.
—**Blue Bedder**. PENS-51B. 30¢
A rich blue flowered form
—**Digitalis**. PENS-53. 25¢
White or pinkish fls; strong grower; 5 ft;
HP. H
—**dustus**. PENS-50. 25¢
Neat attractive RG plant; mats 1 ft. ac;
8"; HP.
—**Eatonii** ssp. **exserius**. PENS-57S. 35¢
Showy; large red spikes; 4 ft; HP
—**lanceifolius**. PENS-57L. 30¢
A Nevada form with narrow lvs; 4 ft.
—**undusus**. PENS-57N. 25¢
Downy stems; large basal lvs; red fls;
2-3 ft; HP.
—**erianthera** ssp. **saliens**. PENS-59. 25¢
Flat rosettes; large lavender fls; RG; 1
ft; HP.
—**Fendleri** PENS-61. 25¢
Blue fls flushed pink; dry spots; RG; 1 ft;
HP.
—**flavescens**. PENS-63. 25¢
Neat alpine; small creamy yellow fls; HP.
—**floridus**. PENS-64. 25¢
Showy fls in spikes of rose-pink; 4 ft; HP.
—**fruticosus**. PENS-65. 25¢
Blue fls in June; shrubby; 2 ft; HP.
—**alba** PENS-65A. 25¢
Good shrubby evergreen; white fls.
—**Gairdneri**. PENS-66. 30¢
Small pure blue fls; plant tufted; 10"; HP.
—**Garretii**. PENS-67. 25¢
Large deep blue fl-spikes; RG; 1 ft; HP.
—**glaber**. PENS-68. 25¢
Procumbent; fine purple-blue; is very
hardy; 1 ft; HP.
—**gloxinioides** **Sensation** PENS-71S. 25¢
Showy; many colors; cuts; 2 ft; HP.
—**gracilis**. PENS-75. 30¢
Lilac or whitish fls; 15"; (II); HP.
—**grandiflorus**. PENS-88. 25¢
Showy large lavender-blue fls; 6 ft; HP.
—**x Murrayanus**. PENS-76M. 30¢
A nice cross; easy; HP.
—**albus** PENS-76A. 25¢
Come 50% true; white form; 6 ft; HP.
—**Lavender Form**. PENS-76L. 25¢
—**Hartwegii**. PENS-83. 30¢
Scarlet fls, 2" long; giant flowered.
—**heterophyllus**. PENS-84. 25¢
Showy Calif. species; rose-violet to an
intense blue; 3-5 ft; HHP.
—**hirsutus** PENS-85. 25¢
Pink to purple; improved form; 2 ft; HP.
—**Gladwyne Varieties**. PENS-85G. 25¢
Mrs. Norman Henry's strain; beautiful.
—**Hybrid, Southgate Gem**. PENS-88G. 25¢
—**Pink Form**. PENS-88P. 25¢
—**Jamesii**. PENS-92. 25¢
Neat alpine; clumps; soft blue-lavender
fls; 1 ft; HP.
—**laevigatus**. PENS-95. 25¢
Pale lavender fls; 3 ft; HP.
—**leiophyllus**. PENS-96. 30¢
A rare form; pure deep blue; easy; 3 ft;
HP.
—**lentus**. PENS-97. 30¢
Pretty; spikes of rare blue shade; alpine
—**albiflorus**. PENS-97A. 30¢
—**microphyllus**. PENS-104. 30¢
Shrub; bright yellow fls; 4 ft; HP.
—**Murrayanus**. PENS-128. 30¢
Deep scarlet fls, 1" long; 3 ft; glabrous
and glaucous; Texas. Oz. \$1.50.
—**neomexicanus**. PENS-111. 25¢
Long spikes of bell-shaped blue fls; 2 ft;
HHP.
—**nitidus**. PENS-113. 25¢
Blue fls; 1 ft; Montana; HP
—**polyphyllus**. PENS-113P. 25¢
Blue funnel-form fls; Mont; HP.
—**Olgae**. PENS-114. 30¢
—**ovatus**. PENS-119. 30¢
Pretty blue fls; fine for cutting; 4 ft;
(IV); HP.
—**pachyphyllus**. PENS-118. 30¢
More flaring fls than P congestus; 1 ft;
HP.
—**Palmeri**. PENS-120. 25¢
Very showy; very large white, flushed
pink fls; 3 ft; HHP.
—**White Form**. PENS-120W. 25¢
—**eglandulosus**. PENS-120E. 30¢
Broader type and thinner stems; smaller
capsules.
—**pigmae rosea**. PENS-126. 25¢
Rosy lilac fls good cut; grows well in the
East; F. E. Blunck strain.
—**platyphyllus**. PENS-128. 25¢
Sub-shrub; showy blue spikes; RG; 1 ft;
HP.
—**procerus** PENS-129. 25¢
Native Montana species; blue fls; June-
July; 1 ft; HP.
—**pseudospectabilis** ssp. **connatifolus**.
PENS-131C. 30¢
Showy; mixed colors; 1 ft; HP.
—**Rattanii minor**. PENS-134M. 25¢
Lavender fls; smaller than species; 18";
HP.
—**rubicundus**. PENS-137. 30¢
Attractive; lovely rose fls; stands some
shade; 4 ft; HP
—**rupicola**. PENS-138. 40¢
Choice species for scree; red fls; de-
cumbent shrub; 4 ft; HP.
—**Scouleri**. PENS-142. 25¢
Shrub; white fls; 18"; HP.
—**ecundiflorus**. PENS-143. 25¢
Showy; large lavender fls; 2 ft; HP.
—**sepalus**. PENS-144. 30¢
Sub-shrub; large inflated violet fls; very
showy; 3 ft; HP.
—**Six Hills Variety**. PENS-145. 25¢
Small shrubby plant; rosy purple fls;
4 ft; HP.
—**speciosus**. PENS-147. 25¢
Very showy large blue fls; very good;
2 ft; HP.
—**strictus**. PENS-149. 25¢

Very showy; densely packed deep blue spikes; 78"; HP.

—**subglaber** **PENS-150. 25¢**
Showy deep blue fls; long spikes; 18"; HP.

—**triflorus** **PENS-159. 30¢**
Bright rose-purple fls; bell-shaped; very nice; HP.

—**triphylus ssp. diphylus** **PENS-160D. 40¢**
Rich blue-purple; attractive; RG; 1 ft; HP.

—**tubiflorus** **PENS-161. 30¢**
White or tinged purple fls; (V); 3 ft; HP.

—**unilateralis** **PENS-162. 25¢**
Tall lavender; border type; 2 ft; (IV); HP.

—**venustus** **PENS-166. 30¢**
Light purple, 1" long; (III); HP.

—**Watsonii** **PENS-170. 25¢**
Light to deep blue fls, in profusion; 18"; HP.

—**Whippleanus** **PENS-171. 25¢**
Leaves in rosettes; purple to lavender fls; 18"; HP.

—**Wilcoxii** **PENS-174. 25¢**
Clear blue fls in open panicles; 4 ft; HP.

—**Penstemon Blend** **PENS-X. 25¢**
Contains nearly all the species in the genus; not offered elsewhere. **Oz. 75¢.**

PEPEROMIA. (pep-er-ROH-mee-uh)

—**sarcophylla** **PEPE-22. 50¢**
Large decorative leaves; from Columbia.

—**Mixed** **PEPE-X. 30¢**
Mixed Andean species; GH; pot plant.

PEPPER Ornamental: Capsicum frutescens.

These make showy pot plants with their attractive colored fruits; some are excellent Christmas plants.

PERILLA. (per-RILL-uh)

Labiatae. Half hardy annuals valued for their highly colored foliage and used in bedding for sub-tropical effect; thrives in light sandy soil; start seed indoors in March in a gentle heat; C-8.

—**frutescens** **PERI-1. 25¢**
Foliage in many colors much like in Coleus; 4 ft; TA.

—**crispa compacta** **PERI-1C. 30¢**
Bronzy foliage; compact plants. $\frac{1}{4}$ Oz. 50¢.

—**lacinata** **PERI-1L. 25¢**
Pretty lacinated foliage.

—**atropurpureus** **PERI-1A. 25¢**
Dark purple, lacinated foliage.

—**Mixed** **PERI-1X. 20¢**

PERIPLOCA.

Silk Vine. Asclepiadaceae. Woody vines with wheel-shaped fls in terminal or axillary clusters; well drained soil; sunny spots; protect in N; (V).

—**græca** **PERP-3. 25¢**
Greenish fls with brownish purple inside, 1" ac; 40 ft; (V). **Oz. 90¢; lb. \$6.00.**

PERSEA. (PURR-see-uh)

Small ornamental trees grown in warm sections of the country.

—**americana** **PERP-1. 30¢**
Avocado. Tree; (IX).

—**Boronia** **PERP-3. 30¢**
Red Bay. Hardy to (VII).

PETROCALLIS. (pet-roh-KAL-liss)

Cruciferae. Draba-like perennials for the rockery.

—**pyrenaica** **PETOC-3. 40¢**
(Draba p.) Mat-like; lvs in rosettes; fls white changing to pink; HP.

Send 25¢ in stamps for Catalog

PETUNIAS

There is hardly any other flower that will give as much bloom, with as little care, as will the Petunia; in hot summers their bloom is continuous. The chief pit-fall the amateur runs up against in growing Petunias is in the seed sowing; almost invariably they bury the tiny seeds too deeply. First the soil should be a good loamy texture with leaf mould mixture for the top; fern-pots make ideal seed pans as they can be watered by setting them in a little water; do not soak. In sowing the seed be careful not to sow too thickly; always press the seed into the soil then a fine sprinkling of sand or milled sphagnum moss, not too much; cover pot with a pane of glass and be sure to wipe it off each morning to prevent the moisture on the under side from dripping on the seeds; about a 60 degree Far. temperature at night will do; LW; C-18.

DWARF GIANTS OF CALIFORNIA:

Huge flowers on dwarf sturdy plants, especially bred for pot plants.

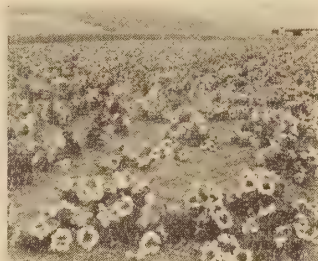
—**Dark Shades** **PET-IDS.. 50¢**

—**Light Shades** **PET-ILS. 50¢**

—**Dark and Light Shades** **PET-IDL. 50¢**
1/64 Oz. \$3.50. Trade Packet: \$1.00.

GIANTS OF CALIFORNIA:

The largest flowers in the Petunias; heavily ruffled with a heavy, robust growth; excellent for both florist and garden use.



GIANTS OF CALIFORNIA

—**Paramont Giants** **PET-2P. 50¢**
Free flowering; light and dark shades.

—**Prince of Wurtemberg** **PET-2W. 50¢**

Dark purple with dark throat; very good.

—**Princess of Wurtemberg** **PET-2Z. 50¢**

Light rose with dark throat.

—**Salmon Queen** **PET-2SQ. 50¢**

—**superbissima nana** **PET-2SB. 50¢**

Dwarf giant flowering; extra good for pot culture. 1/8 Oz. \$7.50.

—**Special Blend** **PET-2X. 50¢**

Very choice; contains above also. 1/16 Oz. \$5.00.

GRANDIFLORA Large Single Fringed:

Strong, free flowering; 12-16" plants; some varieties spreading, others compact; many plain edged flowers of heavy substance and velvety texture; prime favorites of the florist trade.

—**Fluffy Ruffles** **PET-3F. 50¢**

Mixture of bicolors; many not offered otherwise..

—**Theodosia** **PET-3T. 50¢**

Fringed; rose, gold throat; very nice.

—**Blend** **PET-3X. 50¢**

Made up of the very best varieties.



PETUNIA — DWARF GIANTS OF CALIFORNIA

GRANDIFLORA Single Plain Edged:

These are like the above but all plain edged; especially good for boxes and bedding.

- Burgundy. PET-4B. 50¢
All-American selection; pretty red with a white throat.
- Dazzler. PET-4D. 50¢
A new brilliant scarlet; compact growth.
- Dwarf Elk's Pride. PET-4E. 50¢
Deep velvety purple; compact.
- Special Blend. PET-4X. 50¢
A choice blend of varieties. 1/16 Oz. \$4.50.

HYBRIDA:

Strong growing and free flowering; 20-24" plants bearing medium sized plain edged single flowers; excellent for boxes or beds.

- Flaming Velvet. PET-5F. 25¢
A brilliant velvety scarlet; reselected.
- Howard's Star. PET-5H. 25¢
Reddish purple white star; popular.
- Radiance. PET-5R. 25¢
Rich cerise-rose, salmon undertone, yellow throat; good.
- Rose King Improved. PET-5K. 25¢
Rich rose with white throat; much used for boxes.
- Rose Queen. PET-5Z. 25¢
- Topaz Rose. PET-5T. 25¢
A rich rose and gold tone.
- Violacea. PET-5V. 25¢
Deep violet; best of its color.
- White King. PET-5W. 25¢
The best pure white.
- fimbriata Triumph, Double Mixed. PET-5DX. 50¢
- Special Blend PET-5X. 25¢
A careful blend of varieties; not a mixture of field grown varieties. 1/16 Oz. \$1.00.

HYBRIDA NANA COMPACTA:

Much the same type of flower as above but the plants are compact growing, 12-16" with medium sized plain edge flowers; they

are especially good for bedding or borders.

- Bright Eyes. PET-6B. 25¢
A soft pink with a showy white throat.
 - Erfordia. PET-6E. 25¢
Brilliant rose with white throat.
 - FIRE CHIEF. PET-6F. 25¢
Gold Medal Winner; brilliant scarlet-red.
 - Glow. PET-6G. 25¢
Dazzling carmine-red.
 - Lavender Queen. PET-6L. 25¢
A clear lavender without any markings.
 - Miniature Rose Gem. PET-6R. 25¢
Pure rose on a small compact plant.
 - Rose of Heaven. PET-6H. 25¢
Brilliant rose; dwarf; extra strain.
 - Rosalie Morn. PET-6M. 25¢
Rose with white throat; select strain.
 - Salmon Supreme. PET-6SS. 25¢
Bright showy salmon color in compact dwarf plants. 1/8 Oz. \$1.50.
 - Snow Queen. PET-6W. 25¢
The best pure white.
 - Topaz Queen. PET-6T. 25¢
Glowing carmine-rose overlaid with an orange-scarlet sheen.
 - Twinkles. PET-6N. 25¢
Bright rose with white star; showy.
 - Velvety Crimson. PET-6V. 25¢
A rich velvety crimson.
 - Fancy Blotched & Striped. PET-6BS. 25¢
 - Blend. PET-6X. 25¢
Made up mainly of the above varieties.
- Any above: 1/16 Oz. \$1.00.

BALCONY or PENDULA:

Strong growing 18-24" plants with a spreading or trailing habit; bearing many plain edged flowers larger than the ordinary bedding types. Excellent for both bedding and window or porch boxes.

- Bergundy. PET-7B. 25¢
Pretty purple-carmine with white throat.
- Black Prince. PET-7P. 25¢
A deep velvety red.
- Crimson. PET-7C. 25¢
- Elk's Pride. PET-7E. 25¢

The darkest velvety purple.

- Rose. PET-7Z. 25¢
 - White. PET-7W. 25¢
 - Special Blend. PET-7X. 25¢
- Contains a blend of many choice varieties. Price: Any of Above, 1/8 Oz. \$1.00.

MINIATURE PETUNIAS: These are the real dwarf kinds with small flowers and ideal for edging and other places where a real plant is wanted.

- BABY WHITE. PET-9W. 50¢
- NEW. A very showy new variety introduced this year; very small compact 5" high, plants 6" ac. 1/32 Oz. \$1.50.



PETUNIA—Giants of California

DOUBLE and RUFFLED:

These are mainly grown for pot culture or for boxes that can be protected from the storms; the pale green foliage plants are the best, when picking out this type of Petunia.

- Double Flowered Mixed. PET-8DX. 50¢
- 1/8 Oz. \$15.00.
- Giant Fimbriata, Mixed. PET-8F. 50¢
- Petals heavily fringed and fimbriated; looks almost double. 1/8 Oz. \$15.00.

PETROCALLIS. (pet-roh-KAL-liss)

Cruciferae. Annuals and perennials; a few sub-shrubs of the Medit. region, much like Scabiosa.

- parnasii. PTERC-3. 40¢
- Purplish pink composite-like heads, 1" across; 4 inches; HHP.

PEUMUS.

Monimiaceae. Evergreen deciduous trees from Chile.

- Boldus. PEUM-1. 40¢
- Boldo. Valuable tree for South; (IX).

PHACELIA. (fas-SEEL-ee-uh)

Hydrophyllaceae. Hardy annuals and perennials with flowers in lavender to blue, in clusters or racemes; very pretty in mass plantings. Start early indoors or plant later in the open; the perennials can be started as late as August; DW; C-1.

- campanularia. PHAC-2. 25¢
- Brilliant deep blue fls; dry soil; sun; 9"; RG; HHA. Oz. \$1.00.
- leucophylla. PHAC-7. 25¢
- Spikes of white or pink fls; showy in RG; 1 ft; HP; (lew-koh-FILL-ah).
- Musgrave. PHAC-11. 20¢
- tanacetifolia. PHAC-15. 25¢
- Bee Food; blue fls, especially grown for bees; sow in April; HA. Oz. 40¢; lb. \$2.50.
- viscida. Musgrave Strain. PHAC-16M. 30¢
- Gentian-blue Phacelia-like fls; free flow-

- ering and excellent for bees; 15"; HA.
- Whitlava. PHAC-17. 25¢
- California Bluebells. Blue, bell-shaped fls; 18"; HA.
- Phacella Blend. PHAC-X. 20¢

PHAEOMERIA.

- magnifica. PHAE-5. 40¢
- Collected in Brazil.

PHASEOLUS.

(fas-SEE-ol-us)

Leguminosae. Bean. Tender twining annuals mainly grown for their edible pods.

- Caracalla. PHAS-3. 40¢
- Snail Flower, Corkscrew Fl. Twining; 20 inches; light purple fls; fragrant; (X).
- Mungo. PHAS-15. 30¢
- Black Gram. Yellow fls; 3 ft; TA.

PHELLODENDRON.

(fel-lon-DEN-dron)

Cork Tree. Rutaceae. An East Asian tree hardy in the North; flowers greenish, small, in terminal panicles or corymbs, followed by berry-like fruits ornamental.

- amurense. PHEL-1. 40¢
- Tree native of China; to 50 ft. Oz. 80¢.

PHILADELPHUS.

(fil-AD-DEL-uh)

- grandiflorus. PHIL-20. 25¢
- Mock Orange. Hardy shrub with Orange like fls; (IV); seed saved from named varieties; fall sown seed germinates freely in the spring. c. s. Oz. 60¢; lb. \$4.00.

PHILOGACANTHUS. (flo-gah-KAN-thus)

Acanthaceae. Somewhat shrubby plants with spikes of attractive flowers; related to Acanthus. Best grown in the greenhouse in a warm damp atmosphere and in rich soil.

- tryrsiflorus. PHLK-1. 25¢
- Moderate sized shrub.

PHILLYREA.

(fil-LIHR-ee-uh)

Bold foliage evergreen shrubs with small white tubular fls, delicate scent; slow in growth but easily grown; excellent back-ground shrubs.

- angustifolia. PHLL-1. 30¢
- Ornamental; 15 ft; (VII). c. s. Oz. 50¢; lb. \$3.50.

PHLOMIS.

(FLOH-miss)

Labiatae. Perennial plants suitable for the border and wild garden. They are rather course in growth and should be in the back ground planting.

- Purple. PHLO-1. 25¢
- Showy, easy; vivid purple fls; whorl above whorl; 4 ft; HP.
- fruticosa. PHLO-5. 25¢
- Jerusalem Sage. Yellow fls in whorls; 4 ft; (VII); HSh; (frew-tik-KOH-sah).
- ideal for dry, sun-baked soil; yellow fls in dense terminal woolly heads in June; low growing evergreen; 4 ft; HSh.
- tuberosa. PHLO-13. 25¢
- Purple fls; 6 ft; HP.
- Mixed. PHLO-X. 20¢

PHLOX

Polemoniaceae. Annuals and perennials, in many forms. They are easily grown from seed.

- decussata: see *P. paniculata*.

DRUMMONDII grandiflora:

Large flowers on 2-3 ft. plants; robust growth; HHA; C-8.

- Isabellina. PHLX-1B. 20¢

- Buff-yellow flowers.
—Leopoldii. PHLX-1L. 20¢
 Rose-pink with white eye.
—Tetraploid. PHLX11T. 25¢
 Giant flowering; deep red; strong stem-med. ½ Oz. \$1.00.
—Mixed. PHLX-1X. 20¢

DRUMMONDII nana compacta:

- Dwarf compact plants extra choice for bedding.
—Mixed. PHLX-2X. 20¢
—Globe Mixed. PHLX-2GX. 25¢
 Uniform very compact ball-shaped habit.

DRUMMONDII BEAUTY:

- An extra dwarf strain of compact and uniform habit; large bright flowers.
—Beauty Mixed. PHLX-3X. 25¢

- paniculata.** PHLX-37. 25¢
 Perennial Phlox. In many colors; fls 1" across; 4 ft; HP.

PHOENIX.

(FEE-nix)

- Date Palm. Palmaceae. They are grown in the North as tub plants but are hardy in the South. Seed should be ordered early with delivery usually in late fall when seeds are fresh; C-45.

- canariensis.** PHOE-2. 25¢
 (Jubae tenuis) Palms to 50 ft; very striking and one of the hardest. c. s. Oz. 50¢; lb. \$1.50.

- dactylifera.** PHOE-5. 50¢
 Date Palm. (IX); ornamental. Oz. 75¢. (dak-til-LIF-er-ah).

- hybrids.** PHOE-10. 50¢
 100 seeds \$2.50; 1,000, \$3.50.

- reclinata.** PHOE-12. 75¢
 Best known of the African Palms. 100 seeds \$3.00; 1,000, \$9.00.

- sylvestris.** PHOE-15. 75¢
 Wild Date Palm. Ornamental; (X). 100 seeds \$3.00; 1,000, \$9.00.

PHOENOCOMA.

- South African shrubs.

- prolifera.** PHOC-10. 40¢
 Pink everlasting flowers; fine; 2 ft; TSH.

PHORMIUM.

(FORM-ee-um)

- Liliaceae. New Zealand natives, hardy in warm sections; sow seed in February either out doors or in pots in rich soil.

- Colensoi.** PHOR-2. 25¢
 Mt. Flax. Excellent for an exposed bank or large rockery; 3-4 ft; (V); N. Z.

- tenax.** PHOR-4. 50¢
 Well known N. Z. plant; unrivalled as a graceful drooping specimen plant; its fiber is also of commercial value; fls dull red on tall spikes; 8 ft; (V); N. Z.; (TEN-ex)....

- rubra.** PHOR-4R. 50¢
 Colored leaves of rich coppery bronze to brownish purple; most distinctive; 4 ft; (VI); N. Z.

- tricolor.** PHOR-7. 40¢
 Handsome N. Z. plant; nice for water-side or large tub; considered hardy in N. Z.

- Mixed.** PHYT-X. 25¢

PHOTINIA.

(foh-TIN-ee-uh)

- Rosaceae. Trees and shrubs native of Asia. White flowers in panicles, followed by small berry-like fruits; sow seeds in spring better if stratified in sand during the winter.

- glabra.** PROT-6. 25¢
 (serrulata) Young lvs in sp are delightful blend of suffused pink and pale green; fairly rich soil; 10 ft; fl-heads 4" ac; Japan; (IX). Oz. 90¢.

PHYGELIUS.

(fye-JEEL-ee-us)

- capensis.** PHYG-3. 50¢
 Cape Fuchsia. GH; 3 ft; purple-scarlet fls, 2" long.

PHYLLODOCE.

(fil-LOD-oh-see)

- empetriformis.** PHYL-6. 50¢
 Rose-purple fls; 6"; moist peat; HP.

PHYSALIS.

(FYE-sal-iss)

- Husk Tomato, Ground Cherry. Easily grown; start indoors or plant direct to soil, treating them as for Tomatoes. Most of those offered are very ornamental.

- Alkekengi.** PHYS-1. 25¢
 (P. Franchetii) Chinese Lantern Plant. Ornamental seed pods for dried decorations; HHP grown as HA. Oz. \$1.00.

- pruinosa.** PHYS-9. 25¢
 Edible Ground Cherry. Wisconsin native.

- PHYSIANTHUS albens:** see *Araujia seriofera*.

PHYSOCARPUS.

(fye-soh-KARP-us)

- Ninebark. Rosaceae. Deciduous Spirea-like shrubs; white or pinkish flowers in umbel-like clusters, followed by inflated pods; hardy in the North.

- opulifolius.** PHYC-9. 30¢
 (Spirea opulifolia) 10 ft; fl-heads 2" ac; (IV).

PHYSOSTEGIA.

(fye-sos-TEEJ-ee-uh)

- False Dragon-head. Labiatae. Hardy perennials thriving best in a cool moist place with some shade. Beautiful in the border or for cutting.

- virginiana.** PHOS-4. 25¢
 Flowers in pretty spikes; purplish red to rose-pink; 4 ft; HP.

- Rose-lilac.** PHOS-4R. 25¢
 Variety in one color.

- White.** PHOS-4W. 25¢

PHYTEUMA.

(fye-TEW-muh)

- canescens.** PHYT-3. 40¢
 Good rockery plant for late summer display; lavender-blue fls; 6 inches; HP.

- Charmelii.** PHYT-4. 25¢
 Fluffy blue heads on 5" stems; 1 ft; HP.

- comosum.** PHYT-6. 75¢

- Best of the Phyteumas and not too difficult if given compost of 2 parts fine limestone chips, 1 of course sand, 1 of leaf mould and allow ample root room; water well while in growth in sp; fairly dry in winter, dipping bottom 2" of pot in water for a minute each month till Feb; 6"; dark purple fls; HP. (20 seeds).

- Scheuchzeri.** PHYT-17. 30¢
 Easy and showy; bright blue in dense heads; 18"; HP.

- specatum.** PHYT-20. 50¢
 White fls with greenish tips; dense spikes; 4 ft; HP.

- Mixed.** PHYT-X. 25¢

PHYTOLACCA.

(fye-toh-LAK-uh)

- Phytolacaceae. Pokeberry. Easily grown plants, shrubs or trees; fls in terminal racemes; fruits a fleshy berry; ornamental.

- americana.** PHYO-1. 25¢
 Plant to 12 ft; fls bisexual, white or purplish; Me-Fla; (IV).

- esculenta.** PHYO-5. 30¢
 Shoots edible; 2-6 ft; HP.

- esculenta.** PHYO-5. 25¢
 Shoots edible; 3-6 ft; HP.

PICEA

Spruce. Pinaceae. Pyramidal evergreen trees, many very ornamental while others are valuable timber trees.

- Abies.** **PICA-1.** 30¢
Norway Spruce; sow in spring. Oz. 50¢; lb. \$5.00.
- Englemannii.** **PICA-11.** 50¢
One of the hardiest Spruces. Oz. \$2.00.
- glauca.** **PICA-11G.** 40¢
Snowy Mts. Englemann S. Oz. 90¢; lb. \$100.
- glauca.** **PICA-12.** 30¢
(alba) White S. (III). Oz. 70¢; lb. \$7.00
- jezoensis.** **PICA-14.** 50¢
Yeddo S. Ornamental evergreen; North Asia; hardy in N. Oz. 75¢; lb. \$7.50.
- orientalis.** **PICA-27.** 50¢
Hardy; (IV).
- polita.** **PICA-28.** 35¢
Tiger-tail S. Stiff glossy dark green lvs; Japan; hardy N. Oz. 50¢; lb. \$5.00.
- pungens.** **PICA-29.** 50¢
Colorado S. (III). Oz. \$2.00; lb. \$12.00.
- glauca.** **PICA-29G.** 50¢
Leaves bluish. Oz. \$2.50; lb. \$20.
- rubens.** **PICA-33.** 50¢
(rubra) Red S. (III). Oz. \$4.00.
- sitchensis.** **PICA-36.** 50¢
Sitka Spruce. (I); B. C. Oz. \$1.50; lb. \$16.00.
- Smithiana.** **PICA-37.** 50¢
(P. Morinda) Himalayan Spruce; (IV). Oz. \$1.60.

NOTE: We can supply most tree seeds in quantity. As they are collected items and under present labor conditions it will be necessary for those wishing them by the pound to order early in the summer at the latest, if you wish to be reasonably sure of seed.

PIERIS.

(PYE-er-iss)

Ericaceae. Evergreen shrubs and small trees native of N. America and Asia. Best in sheltered positions, some in the GH; moist sandy loam with peat or leaf mould best; partial shade suits them.

- floribunda.** **PIER-1.** 30;
Pretty small evergreen; short spikes; white bells; to 6 ft; one of the hardiest; a good spcies; HSh.
- formosa.** **PIER-2.** 30¢
Small tree; fls white or pink, drooping panicles; to 20 ft; HSh.
- japonica.** **PIER-3.** 30¢
Nice large shrub to 20 ft; fls white; urn-shape; in clusters; HSh.
- ovatifolia.** **PIER-4.** 30¢
Semi-evergreen to 40 ft; sprays of white bells; HSh.
- taiwanensis.** **PIER-6.** 35¢
Compact evergreen; long white nodding fls; 8 ft; TTr

PIMELEA.

Rice Flower. Thymelaeaceae. (Banksia) Australia and N. Z.; shrubs; pink, white or reddish fls in terminal heads; GH; (X).

- humilis.** **PIME-8.** 30¢

PIMPINELLA.

(pim-pin-NELL-uh)

Anise. Umbelliferae. Best to sow seed direct to soil.

- anisum.** **PIM-1.** 25¢
Anise. Used as a condiment and in making liquors; HA; 18".

PINGUICULA.

(pin-GUIK-yew-luh)

Butterwort. Lentibulariaceae. Excellent

plants in moist rockery; white, yellow or purple fls.

—**vulgaris.**

PING-12. 50¢

Violet or purple fls, ½" long; 6"; HP.

PILOCEREUS: see in list under **Cacti.**



PINUS

Pine. Pinaceae. Evergreen trees, some valuable timber trees and some ornamental.

- albicaulis.** **PINU-1.** 30¢
White Bark Pine. Very hardy; Montana. Oz. 50¢; lb. \$4.50.
- australis.** **PINU-5.** 25¢
Long-leaf Pine. Va-Fla. Oz. 50¢; lb. \$5.00
- canariensis.** **PINU-11.** 50¢
Sow seed in 3 ft. beds; (VII). Oz. \$1.25.
- caribaea.** **PINU-12.** 40¢
Slash Pine. (IX). Oz. \$2.20.
- Cembra.** **PINU-13.** 30¢
Swiss Stone Pine. (IV). Oz. 60¢.
- edulis.** **PINU-14E.** 40¢
Nut Pine. (VI). Oz. \$1.00.
- contorta.** **PINU-16.** 40¢
Shore Pine. (I). Oz. \$2.00.
- latifolia.** **PINU-16L.** 50¢
(Murrayana) Lodgepole Pine. (IV); lvs longer and lighter green. Oz. \$2.20.
- cembroides monophylla.** **PINU-17M.** 25¢
Mexican Stone Pine. Oz. 50¢.
- Coulteri.** **PINU-18.** 25¢
Oz. 80¢; lb. \$9.00.
- densiflora.** **PINU-19.** 30¢
Japanese Red Pine. Hardy in N. Oz. 50¢.
- flexilis.** **PINU-21.** 30¢
Limber Pine. Montana. Oz. 60¢; lb \$4.00.
- halepensis.** **PINU-25.** 25¢
Alleppo Pine. (VIII). Oz. 60¢.
- Khasya.** **PINU-30.** 40¢
Oz. \$1.10; lb. \$9.00.
- koraiensis.** **PINU-31.** 50¢
Korean Pine. Long dark green lvs in clusters; hardy in N but slow growing.
- Lambertiana.** **PINU-32.** 40¢
Sugar Pine. (VIII). Oz. 1.25.
- Merkusii.** **PINU-37.** 30¢
Tennessee Pine. (X). Oz. \$1.00.
- Montezumae.** **PINU-41.** 40¢
(X). Oz. \$1.50.
- montana mughus:** see **Mugo.**
- monticola.** **PINU-43.** 40¢
Western White Pine. (IV). Oz. \$1.50.
- Mugo Mughus.** **PINU-44.** 30¢
Prostrate shrub; ornamental Oz. 80¢; lb. \$7.50.
- rostrata.** **PINU-44R.** 35¢
Tree to 80 ft. Oz. 90¢.
- muricata.** **PINU-53.** 25¢
Bishop Pine. Calif. Oz. 70¢.
- nepalensis.** **PINU-49.** 40¢
(excelsea) Himalayan White Pine. Oz. 60¢.
- nigra.** **PINU-50.** 35¢
Austrian Pine. (IV). Oz. 80¢; lb. \$5.00.
- nigra calabrica.** **PINU-50C.** 30¢
Oz. 50¢; lb. \$3.00.
- palustris:** see **australis**, the correct class.
- parviflora.** **PINU-54.** 50¢
Japanese White Pine. Hardy in N. Oz. 75¢.

- pentauihylla.**
Oz. 50¢; lb. \$1.00.
—**pafula.**
—**Pinaster.**
Oz. 50¢; lb. \$1.00.
—**Hamiltonii.**
Shorter lvs; larger cones.
—**Picea.**
Italian Stone Pine. (IX).
—**ponderosa.**
Western Yellow Pine. (IV).
—**scopulorum.**
Rocky Mt. Yellow Pine. Oz. 50¢.
—**pumila.**
Dwarf Stone Pine. Shrub with prostrate branches; N. Asia. Oz. \$1.00.
—**radiata.**
(*insignis*) Monterey Pine; (VII). Oz. 75¢.
—**resinosa.**
Red Pine. Good ornamental species. Oz. \$1.70; lb. \$18.00.
—**rigida.**
Pitch Pine. (VI). Oz. \$1.00.
—**risinosa.**
Red Pine. Lake States Seed. Oz. \$2.00.
—**Sabiniana.**
Digger Pine. (IX). Oz. 60¢.
—**Strobus.**
White Pine. Wisc. seed; (III). Oz. 50¢.
—**sylvestris.**
Scotch Pine. Oz. 60¢.
—**agensis.**
Very red bark; Poland. Oz. 90¢.
—**Taeda.**
Loblolly Pine. (III). Oz. \$2.00.
—**Torreyana.**
Torrey Pine. S. Calif. Oz. \$1.25.
—**Thunbergii.**
Japanese Black Pine. Japan; hardy in (IV). Lb. \$3.00.

NOTE: Nurserymen wanting Pine seed in quantities, should make inquiry prior to harvesting of the seed, if lower prices are expected.

PIQUERIA. (pik-WEER-ee-uh)
Compositae. The most popular species is the *Stevia*, grown by the florist.

—**trinervia.** **PIQU-4.** 50¢
(*Stevia serrata*) White fls in panicle corymbs; Mex to C. Amer; much grown by florist for cutting. ¼ Oz. \$1.50.

PISTACIA. (pis-TAY-shee-uh)
Anacardiaceae. Warm climate trees and shrubs many of which are grown for their nuts, oils and gums.

—**Lentiscus.** **PIST-3.** 30¢
Evergreen tree; 15 ft; (VI). Oz. 50¢.
—**Terebinthus.** **PIST-7.** 30¢
Small deciduous tree; (VI). Oz. 50¢.
—**vera.** **PIST-10.** 35¢
Pistachio. Deciduous tree of Medit. regions, grown there for its edible nut, tasting much like a peanut.
—**Mixed.** **PIST-X.** 25¢

PITHECELLOBIUM. (pith-es-sel-LOH-bee-um)
Leguminosae. Warm region trees and shrubs grown in the South for ornament or for their lumber.

—**dulce.** **PITB-1.** 50¢
Ornamental tree to 50 ft; (X). 100 seeds \$2.50.

PITTOSPORUM

Pittosporaceae Sub-tropical evergreen trees and shrubs having very ornamental foliage, fruit and flowers; one a fine GH subject.

Sow in March or April in pans; cool GH or in frames; (pit-TOST-or-um).

—**Buckananii.** **PITT-2.** 40¢

PINU-54P. 25¢

PINU-55. 40¢

PINU-58. 25¢

PINU-58H. 35¢

Oz. 60¢.

PINU-62. 30¢

Oz. 75¢.

PINU-63. 35¢

Oz. \$1.00.

PINU-63S. 35¢

Oz. 60¢.

PINU-64. 50¢

Oz. \$1.00.

PINU-68. 35¢

Oz. 75¢.

PINU-69. 40¢

Oz. 60¢.

PINU-71. 35¢

Oz. \$1.00.

PINU-70. 40¢

Oz. \$2.00.

PINU-73. 35¢

Oz. 60¢.

PINU-75. 35¢

Oz. 50¢.

PINU-76. 35¢

Oz. 60¢.

PINU-76R. 40¢

Oz. 90¢.

PINU-78. 50¢

Oz. \$2.00.

PINU-97. 30¢

Oz. \$1.25.

PINU-82. 50¢

Oz. 60¢.

Glossy dark green foliage making it a handsome shrub or small tree; 15 ft; (V); N. Z.

—**crassifolium.**

Hardy compact shrub with chocolate-brown scented fls; fine on coast; ornamental shrub; 20 ft; (VI); N. Z.

—**eugenioides.**

Tarata. The lemon scented Matipo, round-headed tree, 12 ft high with highly scented, creamy white fls; leaves when crushed have a strong lemon scent; N. Z.

—**Ralphii.**

Similar to *P. crassifolium* with larger leaves, covered beneath with thick white down; fine coastal tree; 10 ft; (VII); N. Z.

—**rhombifolium.**

Queensland tree; 80 ft; (X); orange-red flowers; ornamental.

—**tenuifolium.**

Tawhiwhi. Small tree; bark and fls almost black; pale green foliage, sometimes reddish; splendid for hedges; 10 ft; (V). Also a good tub-plant.

—**viridiflorum.**

Masses of small fragrant cream fls on 20 ft tree; S. Af; HHTr.

—**argenteum.**

More compact; finely cut silvery leaves; very effective; 6-8 ft; (V); N. Z.

—**Tobira.**

Sh; 15 ft; white fls; (IX). Oz. 50¢; lb. \$2.75.

—**undulatum.**

Victoria Box. Tree to 40 ft; (X). Oz. 90¢.

—**Mixed..**

PLAGIANTHUS.

—**betulinus.**

Deciduous tr; young growth different from the old; white fls; N. Z.

PLANTAGO.

Plantaginaceae. Plantain.

—**lanceolata.**

Rib-Grass. HP.

PLATANUS.

Plane-tree. Platanaceae. (PLAT-an-us)
Thrives in rich moist soils; some are fine street trees.

—**acerifolia.**

London Plane Tr. (ay-ser-if-FOH-lee-ah)

Oz. 50¢

—**occidentalis.**

Buttonwood. 150 ft; Me-Fla; (IV).

Oz. 50¢; lb. \$2.00.

—**orientalis.**

Oriental Plane. 100 ft; not common; (IV). c. s. Oz. 50¢; lb. \$2.00.

PLATYCARYA.

Juglandaceae. Decid. shs or trs; 40 ft; China.

—**strobilacae.**

A Sumach-like bush; fls in slender cone-like catkins; (VI) or possibly (V). Oz. 50¢; lb. \$3.50.

PLATYCODON.

Balloon Flower. Campanulaceae. (plat-ik-KOH-don)
One showy perennial, thriving in loamy soil, in full sun; blooms second year from seed.

—**grandiflorum.** **PLTY-1X.** 25¢

White and blue fls; very beautiful; 2½ ft; HP; LC; C-23 or 24.

—**Double.**

Double blue star fls; 2 ft; HP.

—**roseum.**

New and lovely variety; beautiful satiny pink fls freely produced; 15"; HP.

—**Mariesii.**

Mwarf dwarf form; pretty blue fls; HP.

PITT-5. 40¢

PITT-8. 30¢

PITT-18. 40¢

PITT-20. 40¢

PITT-21. 30¢

PITT-28. 35¢

PITT-21A. 40¢

PITT-23. 35¢

Oz. 50¢; lb.

PITT-25. 35¢

Oz. 90¢.

PITT-X. 25¢

PLAG-4. 35¢

(plan-TAY-goh)

PLAN-4. 25¢

(PLAT-an-us)

PLAT-1. 30¢

PLAT-5. 25¢

PLAT-7. 25¢

PLAC-1. 25¢

PLTY-1X. 25¢

PLTY-1D. 25¢

PLTY-1R. 30¢

PLTY-1M. 30¢

PLECTRITIS.

- congesta.** **PLEC-1.** 30¢
(Valerianella) Rose fls; 2 ft; (VI); HA.

PLEIOSPILOS: see in list under **Cacti.**

PLEIOTAXIS.

- species.** **PLEX-1.** 35¢
Very decorative; RG; bright crimson fls; (IX).

PLUMBAGO.

(plum-BAY-goh)

Leadwort. Plumbaginaceae. The flowers are in terminal spikes; not hardy in the North.

- capensis.** **PLUM-1.** 40¢
Climber; good in GH; (X); C-22. 100 seeds \$3.00; C-22.

- zayanica.** **PLUM-5.** 30¢
Rare South Rhodesian shrub; pure white fls; drought resistant.

PLUMERIA.

(ploo-MEER-ee-uh)

Frangipani. Apocynaceae. Tropical Amer. trees and shrubs; flowers appearing before leaves; very fragrant.

- rubra v. acutifolia.** **PLUR-6A.** 35¢
(P. acuminata) 15 ft; large leaves, 4x16"; white with yellow centers, flushed rose; Venezuela.

POA.

(POH-uh)

Gramineae. Annual and perennial grasses mainly used in lawns.

- violacea.** **POA-11.** 25¢
A fine leaf bunch grass that would be useful as edging material; HP; 6".

PODACHAENIUM.

Compositae. C. Amer. and Mex. shrubs or small trees; flowers in small heads of white ray-fls, yellow disk-fls; (IX).

- eminens.** **PODA-3.** 35¢
Fl-heads 1" across; to 25 ft; Mex; (X).

PODALYRIA.

Leguminosae. South African shrubs; ornamental; (IX).

- sericea.** **PODY-8.** 35¢
(ser-RISS-ee-ah)

PODOCARPUS.

(pod-oh-KARP-us)

- macrophylla v. Maki.** **PODC-12M.** 50¢
—**magi.** **PODC-13.** 50¢

POINCIANA.

(poyn-see-AH-nuh)

Leguminosae. Beautiful trees and shrubs native of warm regions; (IX).

- Gillesii.** **POIN-2.** 30¢
Shrub to 20 ft; light yellow fls; popular in the South; (IX). Oz. 75¢; lb. \$7.00.

- pulcherrima.** **POIN-4.** 40¢
Barados Pride, Dwarf Poinciana. Orange fls; shrub to 10 ft; requires rich sandy soil; soak seeds 24 hours before planting; (X). (pull-KEHR-im-ah) 100 seeds \$2.00.

- flava.** **POIN-4F.** 40¢
Has yellow flowers.

- regia:** see **Delonix regia.**

POINSETTIA: see **Euphorbia pulcherrima.**

POLEMONIUM.

(pol-em-MOH-nee-um)

Polemoniaceae. Perennials grown in the border; easily grown; rich loam; best from seed sown in the fall. Flowers are blue, purplish white or yellowish, often nodding, in terminal corymbs; C-23.

- caeruleum.** **POLE-4.** 25¢
Fern-like lvs; gorgeous sky-blue fls; 3

ft; HP.

- carneum.** **POLE-6.** 25¢
Rich pink trumpets; RG; partial shade; 1½ ft; HP.

- Haydenii.** **POLE-16.** 25¢
Blue or white fls; May-June; RG; 1 ft; HP.

- occidentale.** **POLE-21.** 25¢
Native bog species; blue or violet fls; 1½ ft; HP.

- pulcherrimum.** **POLE-24.** 25¢
Easy and pretty; pale blue fls; fine for RG; 1 ft; HP.

- Richardsonii.** **POLE-27.** 25¢
Blue or purplish fls, ½" across; 9"; HP.

- Species Mixed.** **POLE-X.** 25¢

POLYGALA.

(poh-LIG-uh-luh)

Milkwort. Polygalaceae. Most are tender annuals and perennials and grown under glass in the North; light soil and partial shade.

- apopetala.** **POLG-4.** 25¢
Large pink fls, ½" across; 10 ft; sh; (VII).

- myrtifolia v. gr. fl.** **POLG-14.** 40¢
Rich purple fls; 8 ft; GH; (X). 100 seeds \$9.00.

POLYGONATUM.

(pol-ig-on-NAY-tum)

Solomon's Seal. Liliaceae. Creeping roots; thrives in shady places and in deep rich soil; good for the wild garden.

- commutatum.** **POLO-4.** 25¢
Great Solomon's Seal. 8 ft; fls ¾" long; N. Amer; HP; (IV).

POLYGONUM.

(pol-LIG-on-um)

Fleece-flower. Polygonaceae. A large genus of annuals and perennial grown in the border or wild garden.

- amplexicaule.** **POLY-4.** 25¢
Pretty; spikes of small rose-pink or white fls; 3-4 ft; HP; (am-plex-ik-KAW-lah).

- macrophyllum.** **POLY-12.** 25¢
—**mollis.** **POLY-13.** 25¢

Shrubby; panicles of white fls; will grow in moist places; 3 ft; HB.

- orientale v. Rubin.** **POLY-15R.** 25¢
Interesting cut-flower or border plant; pretty red fls; warm sunny spot; 1½ ft; HHA; C-8.

- Species Mixed.** **POLY-X.** 20¢
Only the above or other garden kinds.

POLYPTERIS.

(pol-LIP-ter-iss)

Othake. Compositae. Erect plants with rose-purple or flesh colored, radiate heads in loose panicles.

- Hookeriana.** **POLP-1.** 25¢
Flower heads 1" ac; rays rose-red; pretty cut flower.

POPPY

Papaver. ((pap-PAY-ver) Papaveraceae. Common name for the genus Papaver; these beautiful flowers come in both annual and perennial species and in a wide range of showy colors. They are easily grown but the seed should be either sown in the fall or very early in the spring; they do not take to transplanting.

- alpinum.** **POPY-2.** 25¢
Alpine Poppy. Nearly stemless; white or yellow fls; 10"; HP; C-24; LK.

- bracteatum.** **POPY-10.** 20¢
Blood-red fls; hairy stems; 3 ft; HP.

- cardinale fl. pl.** **POPY-12.** 20¢
Cardinal Poppy. Double red fls; HA.

- glaucum.** **POPY-17.** 25¢

Tulip Poppy. Deep scarlet fls, 4" ac; 2 ft; Persia; HA.

—**Marei.** **POPY-25.** 25¢
Hardy Poppy from Atlas Mts; anthers black; rose or white fls.

P. ORIENTALE: Hardy perennials with huge flowers in varied colors; seed does not come entirely true to variety but the resulting plants are extra good; seedlings, however, are more robust than the vegetatively increased plants; C-23.

—**Beauty of Livermore.** **POPY-30L.** 25¢
Reselected huge crimson flowers.

—**Brilliant.** **POPY-30B.** 25¢
Bright fiery red.

—**Princess Victoria Louise.** **POPY-30VL.** 25¢
A beautiful salmon shade.

—**Queen Alexandra.** **POPY-30A.** 25¢
Salmon with large crimson blotch.

—**Rembrandt.** **POPY-30R.** 25¢
Mahogany-red flowers.

—**Victoria.** **POPY-30V.** 25¢
Beautiful salmon-pink with black blotch.

—**Blend of Above.** **POPY-30X.** 25¢

PRICE: Any above varieties, Oz. \$1.75.

P. NUDICAULE: Iceland Poppy. Perennials to 1 ft; blooming first year from seed; they rarely last over 3 years but reseed freely; April-June; charming in mass plantings; try them in fields or waste places; they are excellent border flowers; C-24.

—**Red Cardinal.** **POPY-28R.** 25¢
NEW. Purest red; very showy; extremely beautiful. ½ Oz. \$1.25.

—**amurense.** **POPY-28A.** 25¢
Showy butter-cup yellow fls; 2 ft; HP.

—**Coonara Pink.** **POPY-28C.** 25¢
Gorgeous rose tints, soft pink to deep rose; 15"; HP.

—**El Monte.** **POPY-28E.** 25¢
A new beautiful deep tangerine-orange, fringed petals; HP.

—**Garfield Giants.** **POPY-28F.** 25¢
Crinkly petals; ideal cut-flower if cut in the bud; 2-3 ft.

—**Gibson's Giants.** **POPY-28G.** 25¢
Lovely orange; huge blooms.

—**Kelmscott Strain.** **POPY-28K.** 25¢
Huge blooms, 3" across; very pretty; 3 ft.

—**Sunbeam.** **POPY-28B.** 25¢
Improved strain; bright yellow.

—**Sanford's Giants.** **POPY-28S.** 25¢
Immense flowers on stiff stems; fine color range.

—**The Emperor.** **POPY-28TM.** 25¢
Giant orange variety.

—**The Empress.** **POPY-28M.** 25¢
Huge salmon-rose and pinks blooms.

—**White.** **POPY-28W.** 25¢
Showy satiny white; distinctive.

—**Mixed.** **POPY-28X.** 20¢

PRICE: Any above; Oz. \$1.50.; lb. \$14.00.

RHOEAS: Shirley Poppy. They have been very highly improved and come in many bright colors; petals crinkled; sow late in the fall in the South; HA to 3 ft.

—**American Legion.** **POPY-38A.** 20¢
Dazzling orange-scarlet with black spot.

—**All Double Fantasy.** **POPY-38F.** 20¢
Double blooms in bright colors.

—**Begonia Flowered.** **POPY-38BF.** 25¢
Large double fls in bright colors.

—**Carnation Flowered.** **POPY-38N.** 20¢
Mixed colors in Carnation-type blooms.

—**Cavalcade.** **POPY-38C.** 20¢
Double Begonia-type blooms in a rich orange-scarlet; huge; 2 ft.

—**Dazzler.** **POPY-38D.** 20¢

Double orange-scarlet; beautiful.

—**Gaity.** **POPY-38G.** 20¢
White with a pink edge; very showy and dainty.

—**Orange King.** **POPY-38K.** 20¢
A beautiful deep orange.

—**Rev. Wilk's Strain.** **POPY-38W.** 25¢
Single flowers in a beautiful color range.

—**Sweet Briar.** **POPY-38B.** 25¢
Double Begonia flowered; in a pretty wild rose pink.

—**Shirley Blend.** **POPY-38X.** 20¢
—**Double Shirley Blend.** **POPY-38DX.** 20¢

OTHER POPPY SPECIES:

—**pilosum.** **POPY-34.** 25¢
Olympic Poppy. Brick-red fls, 2" ac; 3 ft; HP.

—**rupifragum.** **POPY-39.** 25¢
Pale red flowers 3" across; 1½ ft; HP; Spain; (VI).

POPULUS.

Poplar. Aspen, Cottonwood. Salicaceae. Deciduous, soft wood bushes and trees; widely planted; quick growing.

—**alba.** **POPU-5.** 35¢
White Plane, Abele; 90 ft.

—**canadensis.** **POPU-15.** 35¢
Carolina Poplar.

—**nigra.** **POPU-40.** 35¢
Black Poplar. 90 ft.

PORTULACA

Moss Rose. Portulacaceae. (port-yew-LAY-kuh) Perennials that are usually treated as hardy annuals in the North; low growing fleshy stemmed plants having brilliant showy flowers in many bright colors; sun loving doing well in the hottest spots where other flowers would soon perish; sow in April where they are to grow; pretty in beds; sow in pans of light soil during March at 65 deg. F or out doors in April; barely cover seed.

—**grandiflorum fl. pl.** **PORT-1DX.** 25¢
Double flowered in rose, red, yellow, and white. ¼ Oz. 75¢.

—**Single Jewels.** **PORT-1JX.** 25¢
The best in single flowers; bright and glistening; all colors. ¼ Oz. 60¢.

—**parana.** **PORT-6.** 25¢
A South Rhodesian species; (IX).

—**Portulaca Blend.** **PORT-X.** 25¢

POTENTILLA.

Cinquefoil. Rosaceae. (poh-ten-TIL-ah).

A very large genus most of which are hardy in the North; good as border or rockery plants; sandy soils; flowers yellow, white or red, solitary or in terminal cymes; C-23.

sow in Feb. in cold frame or GH., best.

—**argyophylla.** **POTL-12.** 25¢
Sprays of showy yellow fls, 1" across; RG; 1 ft; HP.

—**coccinea.** **POTL-30.** 25¢
Masses of red flowers in summer; 1 in; HP.

—**climane.** **POTL-31.** 25¢
Species from India.

—**fragiformis.** **POTL-49.** 25¢
Golden yellow fls, 1" across; 8"; HP.

—**fruticosa.** **POTL-52.** 25¢
One of the best shrubs for the RG; yellow rose-like fls; 3 ft; HP.

—**fulgens.** **POTL-53.** 25¢
Silvery leaves; trailer; salmon-rose fls; 15"; HP.

—**Gibsonii.** **POTL-66.** 25¢
Large brilliant scarlet flowers.

—**Halacsyana.** **POTL-65.** 25¢

—**Hybrids.** **POTL-70F.** 25¢

- Double French hybrids.
 —*macrantha*: see *Hebe macrantha*.
 —*Miss. Willmott*. POTL-70W. 25¢
 Bright carmine flowers.
 —*nepalensis* hybrids. POTL-84. 25¢
 Rose and rosy crimson flowers; 2 ft; HP.
 —*nitida*. POTL-36. 30¢
 Rose flowers 1" across; mat-forming; 1 inch; RG; Alps; HP.
 —*recta v. Warrensii*. POTL-106W. 40¢
 Large bright yellow flowers.
 —*Herbukii*. POTL-106H. 30¢
 Flowers in many-flowered clusters, 1" across; 2½ ft; HP.
 —*tonnentillo-formosa*. POTL-127. 35¢
 (Tonguei) Prostrate; yellow fls; HP.
 —*White Beauty*. POTL-70WB. 25¢
 —*Potennilla Mixed*. POTL-X. 25¢

PRIMULA

Primroses. Primulaceae. (PRIM-u-lah). A very large genus, mostly low growing with flower parts always in 5s. Varied in types, uses and character; all require a deep rich moist soil with coolness and some shade. Sow seeds either in late fall or early spring.

- aurantiaca*. PRIM-9. 50¢
 Deep ruddy orange; 10"; China; HP.
 —*Hybrids*. PRIM-9H. 40¢
 —*Auricula*. PRIM-10. 30¢
 Many colors, 1" ac., in umbels; HP; LF.
 —*Monarch Strain*. PRIM-10MX. 50¢
 A very choice strain.
 —*Beesiana*. PRIM-31. 35¢
 Velvety purple; 1 ft; China.
 —*Bulleyana*. PRIM-15. 40¢
 Deep yellow fls, 1" ac in whorls; 2½ ft; HP; LF.
 —*burmanica*. PRIM-16. 40¢
 Reddish purple fls with orange eye, ½", across; 2 ft; TP.
 —*candelabara Hybrids*. PRIM-18. 40¢
 Deep rich colors; purple, crimson to yellow; HP.
 —*choisantha*. PRIM-23. 50¢
 White fragrant fls; 18"; China; HP.
 —*cashmiriana*: see *P. denticulata*.
 —*chungensis*. PRIM-25. 50¢
 Yellow fls in terminal umbels; China; HP.
 —*Cockburniana*. PRIM-28. 40¢
 Orange fls, 1" ac; umbels; 1½ ft; HP.
 —*cortusoides*. PRIM-31. 40¢
 Rose fls; 1 ft; May-June; Siberia.
 —*denticulata*. PRIM-40. 35¢
 Dense heads of violet fls; early spring; 10"; HP; sow during July-Aug. out doors in a shady place.
 —*cashmiriana*. PRIM-40C. 40¢
 More farinose, rich purple fls with yellow centers; HP.
 —*Rubin*. PRIM-40R. 40¢
 A deep ruby colored variety.
 —*elator v. aurantiaca*. PRIM-45A. 40¢
 Orange-red fls; 8 inches; HP.
 All *P. elator* var. sow in March, indoors, light soil, cover lightly with sifted leaf-mould or milled sphagnum or sow out doors in July-Aug. in shaded place.
 —*elongata*. PRIM-47. 50¢
 Golden yellow fls, 1" ac; 1 ft; Sikkim.
 —*Elwesiana*. PRIM-48. 40¢
 Violet fls; 6"; Himalayas; HP.
 —*floribunda*. PRIM-54. 40¢
 Butter-cup *P. Yellow* fls, ½" ac; good GH; 8"; Himalayas.
 —*Florindae*. PRIM-56. 40¢
 Sulphur-yellow; drooping, in terminal umbels; 4 ft; HP.
 —*frondosa*. PRIM-60. 50¢
 Rosy lilac fls in many flowered umbels; Balkans; HP.
 —*glaucescens v. calycina*. PRIM-63C. 40¢
 More robust, larger fls; rose to purple; 6"
 —*Etal Hybrids*. PRIM-85E. 40¢

- Choice selection.
 —*Posiford White*. PRIM-85W. 50¢
 By far the best white in the species.
 —*Mixed*. PRIM-85X. 30¢
 —*hirsuta*. PRIM-70. 50¢
 Rose, lilac, white fls, 1" ac, umbels; 4".
 —*kewensis*. PRIM-89. 40¢
 Bright yellow fragrant fls; umbels; grow under glass; TP.
 —*kewensis, Thurgold*. PRIM-88T. 50¢
 Improved variety with bright yellow fls; excellent GH plant.
 —*japonica*. PRIM-85. 35¢
 Purple, rose, white; in umbels; 1 ft; HP. Best mixed colors; 2 ft; Japan.
 —*Kingii*. PRIM-90. 40¢
 Scarlet fls in umbels; 8"; HP.
 —*leucophylla*. PRIM-96. 40¢
 Very similar to *P. elator*; Carpathian Mts; HP.

MALACOIDES: Greenhouse Primulas.

Sow during April, May or June for GH growing.

- Congratulations*. PRIM-100C. \$1.00
 A new brilliant salmon-pink; compact growth.
 —*Brillancy Improved*. PRIM-100B. \$1.00
 Lilac changing to purple; large flower; a sturdy grower.
 —*Rose Bouquet*. PRIM-100R. \$1.00
 Brilliant carmine-rose; compact grower.
 —*Thurgovia Reselected*. PRIM-100T. \$1.00
 Brilliant carmine-rose; very floriferous; base branching.
 —*White Giant*. PRIM-100W. \$1.00
 Large flowered pure white; tall robust plant.
 —*Mixed*. PRIM-100X. 75¢
 A hand made blend for greenhouse pot plants; not a cheap mixture. 1/16 Oz. \$11.00.

- marginata*. PRIM-101. 40¢
 Lovely lavender fls; margined foliage; spring bloomer; RG; HP.

OBCONICA: Greenhouse Primulas.

Sow during March or May at 55 deg. F for both early and late flowering plants.

- Fassbender Red*. PRIM-113F. \$1.00
 Deep crimson; large flowers.
 —*Friesdorfer Lachs*. PRIM-113D. \$1.00
 One of the very best salmons.
 —*Konigsee*. PRIM-113K. \$1.00
 Pure blue.
 —*Pearl of Niederrhein*. PRIM-113N. \$1.00
 Dark red with a copper sheen; compact habit; medium sized flowers.
 —*Snowstorm*. PRIM-113S. \$1.00
 Pure white.
 —*Wyaston Wonder*. PRIM-M-113W. \$1.00
 Dark crimson; extremely large flowered; compact habit.
 —*Finesit Mixed*. PRIM-113X. 75¢
 Very choice. 1/16 Oz. \$8.50.

- Parryii*. PRIM-120. 40¢
 Purple with yellow eye; 1 ft; Rocky Mts; HP.
 —*Payneura*. PRIM-122. 30¢
 —*pulverulenta*. PRIM-131. 40¢
 Purple fls with orange-brown eye; umbels; 8"; HP.
 —*Bartley Strain*. PRIM-131B. 50¢
 A handsome and strong growing type with tiers of beautiful pink, salmon and rose colored fls; fine in damp, shady places.
 —*reticulata*. PRIM-135. 35¢
 Himalayan species.
 —*rosea grandiflora*. PRIM-134. 40¢
 Large bright rose fls; new seed in July.
 —*Spring Delight*. PRIM-134S. 50¢

- saxatilis.** PRIM-139. 40¢
Heads of bright pink fls in clusters; 10".
- secundiflora.** PRIM-144. 40¢
Deep violet fls, one-sided umbels; 8"; HP
- Sieboldii.** PRIM-148. 50¢
White, rose, purple, 2" ac; 8"; Japan; HP.
- silkimensis.** PRIM-150. 40¢
Yellow fls, 1" ac; umbels; 2 ft; Himalayas; HP.

POLYANTHUS PRIMROSES

The Polyanthus Primroses are probably hybrids between *P. elatior*, *veris* and *vulgaris*. They are the hardiest and most easily grown of all Primulas, succeeding in just about all climates, even in Zone II. The seed can be sown any time but best in spring and early summer; this will produce plants that will flower the following summer. Seed bed best half leaf-mould and half good garden soil or peat and garden soil with some sand, it must be rich in humus; keep seed pans shaded; germination in about 15 days.

VETTERLE and REINELT SEED

This is recommended to the advanced amateurs only or professionals who wish to grow something outstanding.

—Colors Available:

White — Rose — Crimson Rose — Scarlet Dark Red — Yellow — Bronze.

PRICE: \$4.00 per Pkt; \$2.00, 1/2 Pkt.

Pink Blends — Pastel Blends — Violet-Shades — Blue Shades.

PRICE: \$5.00 per Pkt; 1/2 Pkt. \$2.50.

The large packet contains about 350 seeds and come in V-R original packets.

—Mixture of All. Pkt. \$4.00; 1/2 Pkt. \$2.00.

The following varieties are grown in Germany and are extra choice strains and recommended to the average grower.

—**Blue Shades.** PRIM-125B. 50¢
Light and dark blues. 1/2 Oz \$5.00.

—**Giant Gold.** PRIM-125G. 50¢
Golden yellow; showy.

—**Giant Munstead.** PRIM-125M. 50¢
White, primrose and yellow shades.

—**Giant Mahogany.** PRIM-125H. 50¢

—**Giant Primrose.** PRIM-125P. 50¢
Primrose-yellow.

—**Giant White.** PRIM-125W. 50¢

—**Red Shades.** PRIM-125R. 50¢
Scarlet and crimson shades.

Above varieties: Oz. \$5.00.

—**Colossal Strain.** PRIM-125C. 50¢
Extremely large flowered in a wide color range. Oz. \$8.00.

—**Bright Blend.** PRIM-125BX. 50¢
Only the bright colors. Oz. \$4.00.

SINENSIS: Chinese Primroses; GH.

Sow during April at 60-65 deg. F; cover seed lightly.

—**Pure White.** PRIM-151W. \$1.00

—**Beauty of Nice.** PRIM-151N. \$1.00

—**Beautiful salmon-pink.**

—**Dazzler.** PRIM-151D. \$1.00

—**Bright orange-scarlet.**

—**Defiance.** PRIM-151F. \$1.00

—**Velvety crimson with brown eye.**

—**Duchess.** PRIM-151C. \$1.00

—**Rosy white with dark eye.**

—**The Czar.** PRIM-151Z. \$1.00

—**Dark blue.**

—**Choice Fringed Mixed.** PRIM-151X. 75¢

—**The best blend.** 1/16 Oz. \$8.50.

—**vaginata.** PRIM-163. 40¢

—**veris hybrids.** PRIM-165H. 30¢

—**Cowslip P. Extra large flowering; 8"; HP.**

—**Giant Munstead.** PRIM-165M. 50¢

—**Mixed.** PRIM-165X. 50¢

—**Colossal Strain; extremely large flowers**

—**in a wide color range. 1/2 Oz. \$4.00.**

—**vulgaris v. corrulea.** PRIM-173C. 40¢

—**(P. acaulis) Dark blue, 1 1/2" across; 6".**

—**alba.** PRIM-173A. 40¢

—**Waltonii.** PRIM-174. 50¢

—**Violet fls, 1/2" ac in umbels; 2 ft; Tibet.**

—**Wattii.** PRIM-176. 40¢

—**Himalayan speice; purple fls with white**

—**centers; 6"; HP.**

—**Wilsonii.** PRIM-181. 40¢

—**Purple fls, 3/4" ac; 2 ft; China; HP.**

—**Gold Laced.** PRIM-165GL. 30¢

—**Extra fine mixed. 3/4 Oz. \$3.00.**

—**Red Shades.** PRIM-165R. 35¢

—**Scarlet and crimson shades. 1/2 Oz. \$5.00.**

—**Giant White.** PRIM-165W. 35¢

—**Creamy white with yellow eye. 1/2 Oz. \$5**

—**Giant Munstead.** PRIM-165GM. 35¢

—**White, primrose and yellow shades. 1/2**

—**Oz. \$4.50.**

—**Giant Primrose.** PRIM-165GP. 50¢

—**Primrose-yellow flowers. 1/2 Oz. \$0.00.**

—**yargongensis.** PRIM-185. 50¢

—**Deep purple; 4"; nodding umbels; Tibet.**

—**Hardy Primula Mixed.** PRIM-X. 30¢

—**All hardy species.**

PRITCHARDIA.

(prit-CHARD-ee-uh)

—**filifera.** PRIT-1. 50¢

—**Palm. 100 seeds \$3.00; 1,000, \$8.00.**

—**robusta.** PRIT-3. 50¢

—**Palm. 100 seeds \$3.00; 1,000, \$8.00.**

PROBOSCIDEA.

(pro-bo-SID-ee-ah)

—**Unicorn Plant. Martyniaceae. Annuals**

—**and perennials with large, long stemmed lvs**

—**and large purple flowers and Okra-like fruits**

—**that can be used the same as Cucumbers.**

—**Sow the seed where they are to grow but in**

—**the North they would have to be started in-**

—**doors in pots or boxes.**

—**Jussieui.** PROB-2. 25¢

—**Creamy white to violet fls, 2" long; TA.**

PROTEA.

(PROH-tee-ah)

—**Proteaceae. Trees, shrubs and stemless**

—**perennials from S. Af. Will not stand lower**

—**than 18 deg. F.; (IX); best rooted plants**

—**come from seed.**

—**Abyssinica.** PROT-1. 50¢

—**From S Rhodesia; (10 seeds).**

—**angolensis.** PROT-2. 50¢

—**Collected in South Rhodesia.**

—**cynarioides.** PROT-3. 40¢

—**King of the P. By far the largest fls and**

—**handsomest lvs; buds before opening, re-**

—**semble Pine cones; 3-4 ft; looks much like**

—**a Rhododendron; plants from seed vary in**

—**color; some silvery white bracts, others**

—**deep pink.**

—**longiflora.** PROT-11. 50¢

—**Brightest of all P. In best types it is a**

—**vivid reddish pink; fls wide open when in**

—**full bloom; excellent cutflowers;**

—**mellifera.** PROT-13. 50¢

—**A popular species; one of the daintiest;**

—**bracts pink and glossy and translucent;**

—**2 variations, one white or pale green, oth-**

—**er deep pink or red; graceful; 9 ft; cups**

—**5" deep, 3" ac; HHP.**

—**neriifolia.** PROT-16. \$1.00

—**Very popular; deep rose-pink bracts that**

—**curve over fls and are heavily fringed with**

—**dark brown, almost black 'feathers'; also**

—**white form. Seeds 10¢ each.**

—**Mixed.** PROT-X. 25¢

PRUNUS

(PROON-us). Rosaceae. Includes the stone-fruits: Plums, Peaches, Cherry-laurels. Ornamental flowering kind especially listed.

—**Amygdalus**. **PRUN-6. 40¢**
Almond. (P. communis). **Oz. 50¢; lb. \$2.50.**

—**Armeniaca**. **PRUN-9. 35¢**

Apricot. c. s. lb. \$1.50. **PRUN-12. 35¢**

—**avium**.

Sweet Cherry. **Lb. \$2.00.**

—**cerasifera**. **PRUN-21. 25¢**

Cherry or Myrobalan Plum. Used as a stock in grafting. Special price in quantity lots. c. s. **Oz. 50¢; lb. \$1.80; (25 lbs, \$20.00, not prepaid).**

—**atropurpurea**. **PRUN-21A. 30¢**

(Pissardii) Purple-leaved.

—**Lannesiana**. **PRUN-103L. 40¢**

A beautiful Japanese ornamental Cherry; pi-nk, fragrant fls. **Oz. 75¢; lb. \$4.00.**

—**Laurocerasus**. **PRUN-58. 35¢**

Cherry Laurel. Planted in the South;

(VII). **Oz. 75¢; lb. \$2.75.**

—**lusitanica**. **PRUN-55. 35¢**

c. s. **Oz. 50¢; lb. \$3.75.**

—**Mahaleb**. **PRUN-70. 35¢**

Ornament and stock for other Cherries.

Lb. \$2.50. Prices subject to change on all

grafting stock material; ask for prices in

larger quantities; order early.

—**Mume**. **PRUN-78. 40¢**

Hardy in the North. **Lb. \$2.25.**

—**Padus**. **PRUN-85. 35¢**

European Bird Cherry. Ornamental. **Oz**

75¢; lb. \$5.00.

—**prostrata**. **PRUN-93. 35¢**

Indian collected seed.

—**Sargentii**. **PRUN-108. 35¢**

Handsomeness hardy tree; Japan. **Oz. 60¢;**

lb. \$5.00.

—**serotina**. **PRUN-109. 35¢**

Wild Black Cherry. (III). **Oz. 60¢; lb.**

\$4.50.

—**serrulata**. **PRUN-103. 40¢**

Japanese Cherry. White fls, 1½" across.

Oz. 60¢; lb. \$3.50.

—**spinosa**. **PRUN-111. 25¢**

Blackthorn. Ornamental tr; 10 ft. c. s.

Oz. 50¢; lb. \$2.00.

—**virginiana**. **PRUN-123. 25¢**

Choke-Cherry. c. s. **Oz. 40¢; lb. \$2.00.**

PSEUDOLARIX. (soo-doh-LAR-ix)

—**amabilis**. **PSEL-1. 35¢**

(Kampferi); Golden Larch. **Oz. 90¢.**

PSIDIUM. (SID-ee-um)

Guava. Myrtaceae. Tropical trees and

shrubs grown in the far South for ornament

and their edible fruits, much used in jellies

and conserves; easily grown any where

oranges are grown.

—**guajava**. **PSID-4. 25¢**

The common Guava; (IX).

—**Mixed**. **PSID-X. 25¢**

Many kinds.

PTELEA. (TEEL-ee-uh)

Rutaceae. Hop-Tree. Small shrubs and

trees of N. Amer. Flowers in short clusters

greenish white, followed by fruits; some

shade; porous soil; sow in fall, best.

—**trifoliata**. **PTTEL-4. 25¢**

Shrub or tree to 25 ft; N. Y-Fla; (IV).

Oz. 50¢; lb. \$3.50.

PTEROCARYA. (tehr-oh-CAY-ree-uh)

Wing-Nut. Juglandaceae. Deciduous trees

of Asia; very fast growers.

—**fraxinifolia**. **PTEY-2. 50¢**

Tall tree; fruits in racemes to 2 ft long; Caucasus.

—**Rehderiana**. **PTEY-7. 40¢**

PTEROCEPHALUS. (tehr-oh-SEFF-al-us)

Dipsaceae. Draba-like perennials grown

in the rockery; they are native of the Pyren-

nees; 2-3 inches high; mat-like growth.

—**parnassi**. **PTERC-3. 50¢**

Spreading HP; 3"; purplish pink fls, 1"

across; R-G.

PUERARIA.

—**Thunbergiana**. **PUER-3. 50¢**

PUMELIA.

—**humilis**. **PUME-4. 30¢**

Rice Flower. Clusters of white fls; light

green foliage; shrub to 4 ft; Australia.

PUNICA.

Punicaceae. Trees and shrubs hardy in

(VII) zone; ornamental and widely grown

for its edible fruits.

—**Granatum**. **PUNI-1. 30¢**

Pomegranate. 20 ft; orange-red fls; 1½"

ac; (IX). c. s. **Oz. 50¢; lb. \$4.00.**

—**nana**. **PUNI-1N. 30¢**

A dwarf form suitable for GH or in

yards

PURSHIA. (PURSH-ee-uh)

Antelope-bush. Rosaceae. Western native

shrubs with small yellowish flowers, probably

best for its clustered leaves. It grows in

arid lands from Ore. to Calif.

—**tridentata**. **PURS-1. 25¢**

Deciduous shrub to 6 ft; silvery leaves;

(IV).

PUTTERLICKIA.

South African shrubs.

—**pyracantha**. **PUTT-12. 50¢**

Ornamental fruits; 5 ft; TSh.

PUYA: see in list under Cacti.

PYCNOSTACYS.

—**urticifolia**. **PYCN-3. 40¢**

Blue fls in dense spikes; 7 ft; GH; (X).

PYRACANTHA. (pye-ruh-KANTH-uh)

Rosaceae. Fire-thorn. Thorny evergreen

shrubs related to Crataegus; ornamental;

hedges; showy fruits; (X).

—**angustifolia**. **PYRA-1. 30¢**

Sh to 12 ft; China. c. s. **Oz. 50¢; lb. \$5.00**

—**atalantioides**. **PYRA-3. 50¢**

Showy fruits; white fls; 10 ft; HSh; (IV).

—**coccinea**. **PYRA-5. 30¢**

20 ft; S. Europe.

—**crenato-serrata**. **PYRA-9. 30¢**

Chinese Firestone. To 10 ft; white fls in

many corymbs; China; (VIII).

—**yunnanensis**. **PYRA-9Y. 35¢**

(VIII). c. s. **Oz. 50¢; lb. \$5.00.**

—**crenulata**. **PYRA-10. 30¢**

Nepal Firethorn. To 20 ft; (sym. Cotone-

aster and Crataegus).

—**italiensis**. **PYRA-10T. 30¢**

Yellow fruited Tare-thorn.

—**lalandei**. **PYRA-19. 30¢**

(coccinea) ½ **Oz. \$1.50.**

QUAMOCLIT

(KWAM-oh-kilt) Star Glory. Convolvulac-

eae. Annual and perennial twining vines,

grown as tender annuals in the North. They

are used mainly for rapid growing climbers,

thriving in a good light soil and in full sun.

- coccinea.** **QUAM-1.** 25¢
Star Ipomoea. 10 ft; TA.
- hederifolia.** **QUAM-1H.** 25¢
Scarlet fls with yellow throat; 10 ft; HHA.
Ivy-leaved type.
- lobata.** **QUAM-2.** 25¢
Crimson fls fading to a pale yellow; 20 ft; TP.
- pennata.** **QUAM-4X.** 25¢
Cypress Vine. Showy fls in following colors; vine to 20 ft; TA. **Oz.** 65¢; **lb.** \$5.00.
- White.** **QUAM-4W.** 25¢
- Pink.** **QUAM-4P.** 25¢
- Scarlet.** **QUAM-4S.** 25¢
- Sloteri.** **QUAM-6.** 25¢
Cardinal Climber. Red fls with white throat, 2" long; vine to 20 ft; TA. **Oz.** 90¢; **lb.** \$6.50.
- sloteri hybrids.** **QUAM-6H.** 25¢
- Mixed.** **QUAM-X.** 25¢
Above species and varieties.

QUERCUS.

Oak. Fagaceae. Plant seed in the fall or stratify if planted in spring.

- Cerris.** **QUER-17.** 50¢
Turkey Oak; 100 ft. **Lb.** \$1.25.
- Ilex.** **QUER-40.** 50¢
Holly or Holm Oak. 60 ft. **Lb.** 90¢.
- palustris.** **QUER-60.** 50¢
Pin Oak. 80 ft. **Lb.** \$1.90.
- Robn.** **QUER-73.** 50¢
English Oak. (pedunculata) 80 ft. **Lb.** \$1.00.
- Suber.** **QUER-79.** 50¢
Cork Oak. 60 ft; (V). **Lb.** \$1.25.

QUINCULA.

Solanaceae. Suitable for dry places; rocky subjects.

- lobata.** **QUIN-3.** 30¢
(Physalis lobata) Purplish fls, 1¼" ac; Kans; HP. ½ **Oz.** \$1.00.

RAMONDA.

(ray-MOND-ah)
Gesneriaceae. Small plants making flat rosettes of hairy basal leaves; stems 3-4 inches long, bearing several 4-5 pointed flat flowers, resembling Saintpaulia, to which family it belongs; fully hardy with some protection; seedlings develop slowly.

- Nathaliae.** **RAMO-5.** 50¢
Lavender-blue with golden centers; Serbia; HHP.
- Myconii.** **RAMO-7.** 50¢
Purple fls, 1" across; 3 inches high; HHP. Not too high temperature in germinating; expose to the light.
- rosea.**
- pyrenaica:** see **Myconii.**
- Mixed.** **RAMO-7R.** 50¢
- RAMO-X.** 30¢

RANUNCULUS

Buttercup, Crowfoot. Ranunculaceae. A very large genus and popular in flower gardens; those grown mainly as GH plants are in *R. asiaticus*. They are easily grown; C-23 sow fresh seeds in pans of sandy soil; cold frame or cool GH.

- aconitifolus.** **RAN-2.** 30¢
White fls, 1" across; 3 ft; HP
- asiaticus.** **RAN-10.** 30¢
Turban or Persian Buttercup. Bright yellow fls, 1½" ac; 1½ ft.
- californicus.** **RAN-13.** 25¢
Yellow fls 3 ft; Ore; HP.
- calandrinoides.** **RAN-14.** 40¢
Winter flowering; white flushed pink, 2" across; silver leaves; HP.

- hirtellus.** **RAN-30.** 25¢
Variable species; yellow, white or pale rose fls 2" ac; HP.

- Hybrids.** **RAN-31F.** 25¢
French giant hybrids.

- Lappaceus.** **RAN-33.** 30¢
- lindleyi.** **RAN-34.** 25¢
- Lyallii.** **RAN-35.** 30¢

- Showy species; white fls; 2 ft; N. Z; TP.

- superbus.** **RAN-67.** 25¢
In shades of pink, white, red, yellow, rose; takes 35 days to germinate; HP.

- Mixed.** **RAN-X.** 25¢

RAPHIOLEPSIS.

(raf-ee-OL-ep-iss)
Rosaceae. Evergreen shrubs grown in the South; they have shiny leathery leaves; white or pink flowers in racemes or panicles, followed by purple fruits.

- umbellata v. ovata.** **RAPH-6V.** 35¢
Yeddo Hawthorne. 12 ft; Japan. **Oz.** 75¢

REBUTIA: see in list under **Cacti.**

- xanthocapa.** **REBU-26.** 50¢

RESEDA: see **MIGNONETTE.**

RHAMNUS.

(RHAM-nus)

- Alaternus.** **RHAM-1.** 30¢
Sow in fall or stratify; 20 ft; (VIII). **c. s.**

- Oz.** 50¢; **lb.** \$3.00.

- caithartica.** **RHAM-6.** 30¢
c. s. Oz. 50¢; **lb.** \$3.00.

- crocea.** **RHAM-9.** 25¢
Red-berry. 3 ft; evergreen; (VIII).

- ilicifolia.** **RHAM-9L.** 30¢
Holly-leaf Red-berry. (VIII).

- davurica.** **RHAM-8.** 30¢
Dahurian Buckthorn. To 30 ft; Siberia.

- c. s. Oz.** 50¢; **lb.** \$4.50.

- Frangula.** **RHAM-14.** 30¢
Alder Buckthorn. 12 ft; (V). **c. s. Oz.**

- 50¢; lb.** \$5.00.

RHEUM.

(REE-um)

Rhubarb. Polygonaceae. Perennials with stout basal leaves and with the flowers in clusters or racemes at top of long stems. Used for bold effect in the border.

- acuminatum.** **RHEM-1.** 30¢
Stems and flower dark purple; 2-3 ft; Himalayas; HP.

- nobile.** **RHEM-8.** 25¢
Densely covered with yellowish bracts;

- 4 ft; HHP.**

- Rhaponticum.** **RHEM-12.** 30¢
Pie-Plant. Also listed in with the Herbs.

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RHODODENDRON.

(roh-doh-DEN-dron). Ericaceae. They can be sown inside in January or March, in a mixture of sand, peat and a little loam; cover seed lightly with our milled sphagnum and remove glass as soon as germination starts.

CULTURE: The growth of seedlings is best if the seed is sown in heat, about 65 degrees Fah. in January or February, thinly on fine peat, covered with glass and shaded; germination takes about 1-3 weeks, and as soon as seedlings appear, air is admitted gradually.

When the cotyledons are well developed they are uncovered completely. Then prick off into a mixture of peat, with a little loam and coarse sand added. By July or August they should be about 1-3 inches high and ready for planting out in frames, protecting them from frosts. The secret of the whole process being to maintain rapid growth continuity for the first year or two. The soil must be kept slightly on the acid side and rain water is to be preferred to regular tap water.

The following Rhododendrons are from a well known English collection.

The species offered breed true to type with a few variations, sometimes, in the plants produced.

As to hardiness, those marked 'A' will undoubtedly grow in our zone IV. 'B' are also hardy but these will require some shade to obtain best results. 'C', probably should be planted in zone V or VI, but require shelter if they are liable to have cold spells.

- Arthur Osborne.** RHOD-W1. 60¢
Dark scarlet; (B); AM 1933; very good.
- Azor.** RHOD-W3. 60¢
Soft salmon; (B); AM; 1933; very good.
- Brittania.** RHOD-64. 50¢
Bright cream-red; (B); AM 1921; good.
- Cornish Cross.** RHOD-W7. 60¢
Rose-pink; (C); very good.
- Corona.** RHOD-W8. 60¢
Coral-pink; (C); AM; very good.
- Countess of Derby.** RHOD-W9. 60¢
Rose-pink; (B); FCC; good.
- Doncaster.** RHOD-W10. 60¢
Scarlet-crimson; (B); good.
- Elsbeth Sloucock.** RHOD-W11. 60¢
Scarlet; (B); good.
- Fireball.** RHOD-W12. 60¢
Bright red; (B); AM; good.
- Essex Scarlet.** RHOD-W13. 50¢
Deep crimson-scarlet; (B); AM; good.
- Garnet.** RHOD-W14. 50¢
Deep salmon-rose; (C); AM; good.
- Gills Gloriosa.** RHOD-W15. 60¢
Pink; (D); AM; good.
- Helen Fox.** RHOD-W16. 60¢
Deep crimson-scarlet; (E); very choice.
- Lady Longman.** RHOD-W51. 50¢
- Loderi King George.** RHOD-W19. 50¢
(C).
- Koodoo.** RHOD-W20. 50¢
(C).
- Pinky.** RHOD-W22. 50¢
(C). scented.
- Sir Joseph Hooker.** RHOD-W23. 50¢
(C).
- Venus.** RHOD-W24. 50¢
(C).
- Mrs. Charles Pearson.** RHOD-W26. 50¢
Blush mauve, spotted; (B); AM.
- Mother of Pearl.** RHOD-W27. 60¢
Blush turning snow; (B); AM; very good.
- Mrs. Lionel de Rothchild.** RHOD-W28. 50¢
White with red spot; (B); AM; good.

- Mrs. W. C. Slocock.** R HOD-W29. 60¢
Apricot pink shaded; (B); AM; good.
- Penjerrick.** RHOD-W30. 60¢
White, creamy yellow; (C); AM; extra.
- Polar Bear.** RHOD-W32. 60¢
White, scented; (C); FCC; extra good.
- Rosy Bell.** RHOD-W34. 50¢
Old rose; (C); AM; good.
- Rose Perfection.** RHOD-W35. 50¢
Rose-pink; (B); FCC; good.
- Shilsonii.** RHOD-W36. 60¢
Blood-red; (C); AM; very good.
- Sir Charles Lemon.** RHOD-W39. 60¢
White; (D); very choice.
- Sarita Loder.** RHOD-W40. 60¢
Pale salmon-pink; (C); AM 1934; good.
- Tally Ho.** RHOD-W41. 06¢
Bright scarlet; (D); FCC, 1933; very good.

The hybrids, naturally, do not breed exactly true to the parent plant, as some variation can be expected towards either of the parents of the original cross. Naturally some should prove exciting and others may not be so interesting. It is the practice of many Rhododendron growers to rogue the more vigorous plants, as it has been found that the better colors result from the weaker seedlings as is also the case in other flowers such as the Stocks and Petunias.

SYMBOLS USED:, A.M. and FCC (first class certificate) are from the RHS in England.

- Albrectii.** RHOD-16. 50¢
- arboreum, Mixed Varieties.** RHOD-30. 50¢
Oz. 80¢; lb. \$7.00.
- Augustinii.** RHOD-39. 50¢
- Auriculatum.** RHOD-41. 50¢
- auritum.** RHOD-42. 50¢
- Azor.** RHOD-45. 50¢
Pink, spotted with yellow; 20 ft.
- barbatum.** RHOD-49. 50¢
- brachyanthum.** RHOD-57. 50¢
Pale yellow to greenish yellow; 5 ft; Yunnan.
- caeruleum.** RHOD-64. 50¢
- Campylocarpum.** RHOD-74. 50¢
- carolinianum.** RHOD-83. 50¢
Pale rose-purple to white; 6 ft.
- crassum.** RHOD-104. 50¢
White funnellform fls; 20 ft; Himalayas.
- decorum.** RHOD-117. 50¢
White to pinkish, 2" across; China.
- deleense.** RHOD-119. 50¢
Deep purple-magenta; 3 ft; Assam.
- desquamatum.** RHOD-123. 50¢
Pale pinkish purple; 30 ft; N. Burma.
- Disprepes.** RHOD-130. 50¢
- Falconeri.** RHOD-146. 50¢
- Fargesii.** RHOD-147. 50¢
White or pinkish, bell-shaped fls; 15 ft; China.
- ferrugineum.** RHOD-150. 50¢
Pink; 3 ft; July-Aug. Oz. \$1.00; lb. \$12.00.
- Fictolactium.** RHOD-151. 50¢
- Fortunei.** RHOD-161. 50¢
- Ghentii Hybrids.** RHOD-293G. 50¢
Beautiful hybrids much grown by nurseries; will be pleased to quote quantity prices if interested.
- grande.** RHOD-177. 40¢
(argenteum) Tr to 40 ft; rose to white bell-shaped fls; Himalayas. Oz. 80¢; lb. \$10.00.
- Giffithianum v. Aucklandii.** RHOD-129A
Pkt. 50¢. 8 ft; fls 8" ac, white fragrant. Oz. \$1.00; lb. \$12.00.
- Griersonianum.** RHOD-178. 50¢
- hybridum.** RHOD-198. 50¢
Made up of hybrid seed from all sources. Oz. 90¢; lb. \$8.00.
- hippophaeoides.** RHOD-191. 50¢
Lavender-blue; bell-shaped; 5 ft; China.

are growing these in our own planting and missing species will be appreciated.

- acicularis.** **ROSE-1.** 35¢
Deep rose, fragrant; hardy wild Rose; 3 ft. c. s. Oz. 50¢; lb. \$1.75.
- Brunonii.** **ROSE-23.** 50¢
Himalayan Musk R. Semi-cl; white frag fls, 2" ac; yellow stamens; not hardy N.
- canina.** **ROSE-26.** 30¢
Dog Rose. 10 ft.; Oz. 60¢.
- carolina.** **ROSE-28.** 30¢
Masses of 3" fragrant pink fls followed by glossy red fruits holding on into the winter; 6 ft; Me. to Fla.
- cericea.** **ROSE-34.** 30¢
Himalayan Rose.
- highdownensis.** **ROSE-68.** 40¢
Crimson fls; bright fruits; a hybrid.
- multiflora.** **ROSE-106.** 30¢
Japanese Rose. 8 ft; (II). c. s. Oz. 50¢; lb. \$3.50.
- nana perpetua.** **ROSE-106P.** 355¢
100 berries \$1.50; 1,000, \$6.50.
- nutkana.** **ROSE-112.** 30¢
Rose fls; 5 ft; to Alaska.
- pendulina.** **ROSE-118.** 35¢
Rose fls in corymbs; 3 ft.
- rugosa.** **ROSE-131.** 35¢
Red or white, 4" across. Oz. 75¢.
- pimpinellifolia.** **ROSE-141.** 40¢
(spinoissima) Scotch Rose. White, pink or yellow.
- altaica.** **ROSE-141A.** 35¢
White; Minn.
- polyantha.** **ROSE-126.** 35¢
Multiflora type. Oz. 85¢; lb. \$5.00.
- nana.** **ROSE-126N.** 35¢
Dwarf strain. 100 seeds 75¢; 1,000, \$5.00.
- rubrifolia.** **ROSE-130.** 40¢
One of the loveliest of the Rose species; comes true from seed; thornless; deep red fls, 1½" ac; corymbs; 6 ft; (IV).
- setigera.** **ROSE-134.** 35¢
Prairie Rose. Climber to 15 ft; pale rose.
- tomentosa.** **ROSE-150.** 35¢
Pink and white fls; 6 ft.
- Woodsil.** **ROSE-158.** 35¢
Pink; very hardy; 6 ft; (I). c. s. Oz. 80¢.
- Wichuraiana.** **ROSE-158.** 40¢
Prostrate evergreen Rose; fragrant white fls, 2" across; hardy.
- Mixed.** **ROSE-X.** 30¢

ROSELLA: see *Hibiscus Sabbariffa*.

ROSEMARY: see *Rosmarinus*.

- ROSMARINUS.** (ross-muh-RYE-nus)
Rosemary. Labiatae. Hardy evergreen shrubs grown for both ornament and as a garden herb, especially its oil; HP to (V).
- officinalis.** **ROSM-1.** 25¢
Light blue fls; 6 ft; April-May; (V); ½ Oz. \$1.50.

- ROYSTONEA.** (roy-STOH-nee-uh)
—**regia.** **ROYS-5.** 75¢
\$3.50; 1,000, \$15.00.

- RUBUS.** (ROO-bus)
—**Australis.** **RUBU-8.** 35¢
White fls; fruit reddish orange; N. Z.; lofty climber found on trees.
- idaeus.** **RUBE-28.** 30¢
European Raspberry.

RUDBECKIA

Coneflower. Compositae. Conical shaped disks of daisy-like flowers; thrive in any ordinary soil in sun or partial shade. Seed can be planted early indoors or later outside as for perennials. They are especially

- nice in border or cutting. (rud-BEK-ee-uh).
- amplexicaulis.** **RUD-1.** 25¢
Yellow petals, brownish disk; 2 ft; nice in the border; HA.
- bicolor. Golden Sunset.** **RUD-2G.** 20¢
Double golden flowers; HA.
- splendens.** **RUD-2S.** 20¢
- grandiflora.** **RUD-5.** 20¢
Coneflower. Oz. 60¢.
- hirta.** **RUD-6.** 20¢
Black-Eyed-Susan. Biennial but often annual; 3 ft; rays golden yellow, disks purple-brown, ¾" across; June till frost.

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- Autumn Frosts.** **RUD-6F.** 30¢
NEW. Large single fls in many beautiful shades of bronze-red, copper, orange, lemon and yellow with jet-black centers; long stemmed, long lasting and fine cut; can be flowered the 1st year; 2-2½ ft; HP.
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- Autumn Tints.** **RUD-6A.** 20¢
Golden yellow petals, dark disks; 2 ft.
- Star of Kelveon.** **RUD-6K.** 20¢
Golden yellow rays, dark brown disk.
- My Joy.** **RUD-6M.** 25¢
A pure golden yellow with dark disks; 2½ ft; popular German variety.
- Mixed.** **RUD-6X.** 20¢
- purpurea:** see *Echinacea purpurea*.
- Starlight.** **RUD-17S.** 25¢
Semi-double; good range of colors with many bicolors.
- speciosa, Newmanii.** **RUD-17N.** 25¢
Pinkish rays, large dark cone; petals hang downward giving it an attractive effect; 2 ft; HP.
- Rudbeckia Mixed.** **RUD-X.** 20¢

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- RUMEX.** (ROO-mex)
—**patientia.** **RUME-13.** 25¢
Spinach-dock; Herb-Patience. A savory winter vegetable.; 6 ft; HP.
Only 1955 crop seed available.

- RUSCUS.**
Liliaceae. Shrubs with berry-like fruits; grown in the South.
- aculeatus.** **RUSC-1.** 30¢
Butcher's Broom. Evergreen; red or yellow berries; 3 ft. Oz. 50¢; lb. \$3.00.
- racemosa:** see *Danæ racemosa*.

- SABAL.** (SAY-bal)
Palmetto. Palmaceae. (Inodes). The Palmetto Palms, found in Florida and as far North has N. C. They are easily grown; fresh seed is available in the fall; germinates readily and grows quickly.
- Blackburnia.** **SABA-4.** 60¢
Palm. 100 seeds \$2.50; 1,000, \$7.00.
- minor.** **SABA-10.** 60¢
100 seeds \$250; 1,000, \$7.00.

- SABATIA.** (sab-BAY-shee-uh)
—**campestris.** **SABT-3.** 30¢
Rose Gential. Lilac fls; 15"; HHA.

SAFFRON: see *Carthamus tinctorius*.

- SAINTPAULIA.** (saynt-PAU-le-ah)
African Violets. Gesneriaceae. They can grown easily from seeds and produce excellent type flowers. The seed being small, sow them on the surface of a mixture of peat, leaf mould and silver sand, equal parts; press seeds into soil and cover with glass; water from below; keep in warm place where they germinate in 2 weeks; be careful of damping off, ventilate often.

If lights are used, 600 foot-candles, for 18 hours per day, will produce saleable plants in about 90 days.

- diplotricha.** **SAPU-1.** 50¢
(*S. ionantha*) Most popular species.
- Blue Fairy Tale** **SAPU-1B.** 75¢
An improved floriferous strain from Germany.
- Hybrids.** **SAPU-1H.** 60¢
Choice large flowered mixture; many attractive shades; grown in the Netherlands. 1/64 Oz. \$21.00.

SALIX.

- Willow, Osier. *Salicaceae*.
- Caprea.** **SALX-21.** 30¢
Goat Willow. 25 ft; Asia. Oz. 50¢; lb. \$1.75.

SALPIGLOSSUS

(sal-pi-GLOS-is) *Solanaceae*. Half hardy annuals from Chile, the Paisly Flower, suggests well the exotic beauty of its coloring, rich velvety tones of purple, blues, yellows, reds and white, veined with gold; funnel-shaped, 2½" across; blooms from July till frost. Start seed early indoors, being careful not to allow seedlings to become stunted; best in sandy soil and part shade; germinate in light and a warm place; for winter flowers in the GH, sow first week in August; don't over-water.

- Dwarf Giant Flowered.** **SALP-1D.** 30¢
Bushy plants; 1½ ft; HHA.
- Emperor.** **SALP-1E.** 30¢
Upright growth; heavy gold veining; extra fine; 3 ft; HHA. ½ Oz. 75¢.
- gloxiniaeflora.** **SALP-1G.** 30¢
Gloxinia-like flowers; beautifully marked; 3 ft.
- Blend.** **SALP-1X.** 25¢
All kinds mixed. ½ Oz. 75¢.

SALVIA

(SAL-v-ah) *Sage*. *Labiatae*. There are many species, some of which are very showy in the flower border. *S. splendens*, Scarlet Sage, is the best known, being grown for its red flowers. They all are easily grown from seed and require no special treatment

- argentea.** **SALV-4.** 30¢
Silver Salvia. White woolly fol; rose-white fls; 8"; HB. ½ Oz. 90¢.
- azurea.** **SALV-7.** 30¢
Blue or white fls, ½" long, in racemes; 3 ft; TP.
- coccinea.** **SALV-20.** 30¢
Perennial of tropical Amer; grow as a HHA; fls quite distinct from *S. splendens*; bright scarlet, carried on long slender racemes; July-Sept; 2 ft. ½ Oz. 90¢.
- farinacea.** **SALV-24.** 30¢
Perennial native of Texas; grow as HHA in North; spikes of soft lavender-blue; July-Sept; 2-3 ft. ½ Oz. \$1.50.
- Blue Bedder.** **SALV-24B.** 30¢
A pretty shade of blue and longer spikes; fairly hardy. ½ Oz. \$2.00.
- haematodes.** **SALV-29.** 30¢
Delightful border plant with low growing foliage and branching spikes, 2½-3 ft; HP.
- Horminum.** **SALV-34.** 40¢
Lilac-purple fls in racemes; 1½ ft; HA.
- Oxford Blue.** **SALV-34B.** 30¢
A showy Salia; deep blue bracts; 2 ft; HA.
- interrupta.** **SALV-40.** 30¢
Bluish white fls in racemes 2 ft long; 4 ft; TSh.
- Juriscil.** **SALV-44.** 30¢

Small purple fls on branched racemes; 18"; Serbia; HP.

- lyrata.** **SALV-48.** 30¢
Bright blue fls on 2 ft stalks, in whorles; sandy soil; will flower first year if started early; HP.

—**officinalis.** **SALV-60.** 25¢
Garden Sage. Sow late in fall or early spring.

- patens.** **SALV-61.** 30¢
Gentian Salvia. Blue fls 2" long; 2½ ft. HHA ½ Oz. \$2.50.

- Cambridge Blue.** **SALV-61C.** 30¢
A pretty improved variety. ½ Oz. \$2.50.
- Mauve Queen.** **SALV-61M.** 30¢
A lovely mauve colored variety. ½ Oz. \$3.00.

- Lavender Lady.** **SALV-61L.** 30¢
Improved lavender variety. ½ Oz. \$3.50.
- pratensis.** **SALV-64.** 30¢
Bright blue fls, 1" long; 3 ft; HP.

- scabiosaefolia.** **SALV-75.** 30¢
- Scレア.** **SALV-77.** 30¢
Clary Salvia. Rose and white fls, 1" long in panicle racemes; 3 ft; HB.

- turkestanica.** **SALV-77T.** 30¢
White fls tinged with pink.

- sonomensis.** **SALV-83.** 30¢
Creeping Sage. Light shade or in sun; rare; HP; (VIII).

- Salvia Blend.** **SALV-X.** 25¢
Mixture of all kinds excepting *S. splendens*.

S. SPLENDENS: Scarlet Sage, easily grown from seed started in Feb. or March. They are perennials but tender; grow as TA in the North. Seed germinates in about 15 days and should be kept in a warm place and in the light; cover seed pan with glass, not with paper in this case.

- America.** **SALV-85A.** 30¢
Earliest; uniform plants, 20" high; brilliant scarlet. Oz. \$3.00; lb. \$26.00.

- Bonfire.** **SALV-85B.** 30¢
Brilliant scarlet; erect stiff growth; 30" high; (Clare Bedman). Oz. \$2.50; lb. \$24.00.

- Fireball.** **SALV-85F.** 30¢
Scarlet fls; very early; dwarf; heavy spikes; 15". Oz. \$4.00; lb. \$32.00.

- St. John's Fire.** **SALV-85S.** 30¢
Early dwarf; scarlet fls; upright growth; 10" plants. Oz. \$9.00.

- Zurich.** **SALV-85Z.** 30¢
Earliest and very dwarf; compact; scarlet; 18". Oz. \$3.00; lb. \$26.00.

NOTE: We will be pleased to quote special prices in pound lots to florists; please write, stating kinds and quantity wanted.

SAMANEA.

(sam-an-EE-ah)

- caerulea.** **SAMA-3.** 50¢
(*glauca*) Blue Elder. To 50 ft. d. b. lb. \$3.00.

- Samen.** **SAMA-12.** 50¢
Rain Tree, Monkey Pod. Pretty shade tree; (X). 100 seeds \$2.50.

SAMBUCUS.

(sam-BEW-kus.)

- nigra.** **SAMS-11.** 30¢
European Elder. c.s. Oz. 50¢; lb. \$2.00.
- racemosa.** **SAMS-14.** 40¢
European Red Elder. d.b. Oz. 50¢; lb. \$2.00.

SANDERSONIA.

- aurantiaca.** **SAND-1.** 50¢
A GH plant in the North; bright yellow fls; 2 ft.

SANQUISORBA.

(san-gwis-SORB-uh)

- Burnet. *Rosaceae*.
- officinalis.** **SANG-12.** 25¢
Garden Burnet. To 5 ft; dark purple fls in spikes, 1" long; HP.

SANTALUM.

—album.

SANL-1. 50¢

White Sandlewood. (X). Oz. \$1.75.

SANTOLINA.

(san-toh-LY-nah)

Compositae. Low border or edging plants many of which are propagated by cuttings. Grayish low evergreen shrubs with many flower-heads of yellow or white disk flowers.

—rosmarinifolia.

SANO-6. 30¢

Solitary heads; 2 ft; HHS.

SANVITALIA.

(san-vi-TAY-le-ah)

Compositae. Small American annuals with small solitary heads and white or yellow rays, brown or purple disks; light soil and full sun.

—procumbens, Double.

SANT-1D. 25¢

Creeping Zinnia. A low border plant, 6" for hot dry places; fls orange-yellow with conspicuous purple-black centers; Aug-Oct; trailing.

SAPINDUS.

(sap-PIND-is)

—Mukowossii.

SAPN-3. 50¢

Soap-berry. (IX). 100 seeds \$3.50.

SAPIUM.

—sebiferum.

SAPI-2. 50¢

Chinese Tallow Tree, Vegetable Tree. I(X). 100 seeds \$5.00.

SAPONARIA.

(sap-on-NAY-ree-ah)

Soapwort. Caryophyllaceae. Easily grown hardy annuals and perennials, some of which are excellent for the rockery; flowers are red, pink or white, in cymes or panicles. Fls often used for mixing with Sweet Peas or other cut-flowers; succession plantings, March to June for market; annuals best sown in April where they are to grow.

—calabrica, Mixed.

SAPO-3X. 25¢

Pretty edging or bedding plant with small starry fls in bright red, deep rose, white and blood-red, in profusion all summer; 6-9"; HA; space 6". Oz. 60¢.

—Red.

SAPO-3R. 25¢

—White.

SAPO-3W. 25¢

—ocymoides.

SAPO-8. 25¢

Bright pink fls in flat-topped clusters; RG or walls; trailer; 9"; HP. Oz. 90¢.

—splendens.

SAPO-8S. 30¢

Fls larger and deeper rose.

—Vaccaria rosea.

SAPO-13R. 25¢

Pale pink fls, ½" across in loose cymes; popular for cutting; sow in Mar. or April; 2-3 ft; HA; space 18". Oz. 50¢.

—White.

SAPO-13W. 25¢

Oz. 50¢.

—All Saponarias Mixed.

SAPO-X. 25¢**SAPOTO.**

—Zapota.

SAPT-1. 30¢

Sapodilla. (X). Oz. 90¢.

—officinalis.

SAPT-9. 30¢

Bouncing Bet. Pink fls 1" ac; 3 ft; May-Sept; HP. ½ Oz. 50¢.

SARRACENIA.

(sar-ras-SEEN-ee-uh)

Pitcher Plant. Sarraceniaceae. American insectivorous plants grown as curiosities. Native of moist places and can be grown in pots of sandy muck soil, standing in a little water.

—purpurea.

SARR-7. 35¢

Basal rosettes of weird 10" pitcher-like leaves that fill with water. Keep seed moist after sowing; acid soil.

SATUREJA.

(sat-yew-REEF-uh)

—montana.

SATU-19. 25¢

Winter Savory. Sub-sh; 15"; purplish fls; sow direct to garden.

SAUSSUREA.

(soss-YEW-ree-ah)

Compositae. Temperate zone plants with heads of blue or purple disk flowers, easily grown from seed. They make nice ornamental plants in the border.

—gossypiphora.

SAUS-4. 50¢

Dwarf; 6-12 inches; fls in large umbels; silvery gray; HP.

SAXIFRAGA

(sak-SIF-rah-gah) Rockfoil. Saxifragaceae. A very large genus, much prized for its flowers, both in the border or rockery; they are not hard to grow from seed and require the usual attention of all perennials; sow seed either late in the fall or early spring for best results; use a gritty soil and place in cold frame.

—aizoon, Mixed.

SAX-4X. 35¢

Dense basal rosettes; fls ½" ac; 18"; HP.

—dense.

SAX-4D. 35¢

Rosettes very small and silvery; creamy fls; HP.

—minor.

SAX-4M. 35¢

Small silvered rosettes and short spikes; white flowers; HP.

—rosea.

SAX-4R. 35¢

Bright pink flowers; HP.

—arguta.

SAX-22. 40¢

White fls with yellow spots; very small, panicles; 8"; HP.

—cartilaginea.

SAX-54. 40¢

White, rose or purple fls; lvs in rosettes; 9"; HP.

—crustata.

SAX-68. 40¢

Dense tufts; white fls, ½" ac; 1 ft; HP.

—cuneata infundibuliformis. **SAX-70F.** 40¢

Spoon-shaped lvs; HP.

—Hostii.

SAX-120. 50¢

(elator) White fls dotted purple, ½" ac; 2 ft; lvs in rosettes; HP.

—lingulaia.

SAX-130. 40¢

White fls over silver rosettes; 8"; (VI).

—Albertii

SAX-130A. 50¢

Larger than type; fol. bluish gray; fls white spotted red.

—sarmientosa.

SAX-180. 35¢

—virginiensis.

SAX-200. 35¢

Leaves in rosettes; white fls, ½" ac; 1 ft; HP.

—Encrusted Species Mixed.

SAX-80. 50¢

—Mossy Species Mixed.

SAX-145. 50¢

—Saxifraga Mixed.

SAX-X. 30¢

All kinds mixed.

SCABIOSA

(skay-bee-OH-suh) Mourning Bride, Pin-cussion Flower. Dipsaceae. A very popular garden flower for sunny places; sow seeds either early indoors or later, to the open soil. In the South plant the annuals in the fall; pinch back the annuals for bushy plants and by keeping flowers cut, they will bloom all summer.

S. ATROPURPUREA: Sweet Scabiosa. Erect HA in many varieties; 3 ft; they are excellent cut-flowers.

—Cherry Red.

SCAB-3CR. 20¢

—Sulphur Yellow.

SCAB-3SY. 20¢

—Rose.

SCAB-3Z. 20¢

—Cattleya.

SCAB-3CT. 20¢

—Crimson.

SCAB-3CM. 20¢

—King of the Blacks.

SCAB-3KB. 20¢

—Dark Purple.

SCAB-3P. 20¢

—Salmon Beauty.

SCAB-3SB. 20¢

Have you good native flowers near at hand? We are interested; write us.

PRICE: Any of above. Oz. 90¢; ¼ lb. \$2.50.

SCABIOSA SPECIES:

- alpina.** SCAB-2. 30¢
Solitary lavender-blue fls 1" ac; 6"; RG; (IV); HP.
- caucasia, House Hybrids.** SCAB-6H. 30¢
One of the loveliest perennials; shades of blue; highly improved. ½ Oz. \$1.50.
- Clive Grieves.** SCAB-6G. 30¢
Rich mauve. ½ Oz. \$1.50.
- Goldingensis.** SCAB-6G. 30¢
Large flowered lavender. ½ Oz. \$1.50.
- Columbaria, Mixed.** SCAB-7X. 25¢
Dedicate lavender and pink fls; 18"; HP.
- Pink.** SCAB-7P. 25¢
- Lavender.** SCAB-7L. 25¢
- graminifolia.** SCAB-12. 30¢
Pale blue fls in flat heads, 1½" across; 1 ft; HP.
- lucida.** SCAB-16. 30¢
Uncommon and beautiful; pink fls in dense heads; 8"; HP.
- ochroleuca.** SCAB-22. 30¢
Yellow fls; 1½ ft; leaves basal; HP.
- ukranica.** SCAB-27. 30¢
- Perennial Species Mixed.** SCAB-PX. 30¢

SCAEVOLA.

- frutescens v. serica.** SCAE-3S. 35¢
Hawaiian Jade Tree. Both fls and fruit white; not edible; will grow near sandy beach; 3 foot shrub.

SCHINUS.

(SKY-nus)

Anacardiaceae. Ornamental trees with small flowers in racemes or panicles, followed by fruits; not hardy in the North; they make fine lawn specimens in the South; can be grown in the GH as pot plants.

- Molle.** SCHN-6. 25¢
California Pepper Tree, Peruvian Mastis Tree. Evergreen to 20 ft; yellowish fls; (X). Oz. 50¢; lb. \$2.50.
- terebinthifolius.** SCHN-8. 30¢
Brazilian Pepper Tree, Xmas Berry Tree. (IX). Oz. 65¢.
- Mixed.** SCHN-X. 25¢

SCHISANDRA.

(skiss-AND-ruh)

- chinensis.** SCHZ-1. 30¢
25 ft. climber; white or pinkish fls ½" across; fragrant; May-June; scarlet berries; Japan; (IV).

SCHIVERECKIA.

(skw-er-REK-ee-uh)

Cruciferae. Little perennials similar to Alyssum.

- podolica.** ECHV-4. 50¢
Tufted; 2-4" high; white fls in short racemes; HP.

SCHIZANTHUS

(sky-ZANTH-us. Butterfly Flower. Solanaceae. Beautifully marked and unusually formed flowers in chamois, rose, lavender and purple shades; fern-like foliage; excellent for pot culture the year around or in partly shaded beds outdoors, doing best in a cool climate. Pinch back tops to induce a bushy growth; for winter flowers, start in Sept. for blooms in Feb. or plant later to flower as late as May; for summer bloom start indoors in March; they make up well in corsages and last well; germinate in 14 days.

- Dr. Badger's Hybrids.** SCHZ-1B. 30¢
Brilliant range with no whites; all with golden blotch; 1 ft. ½ Oz. \$1.00.
- Chislehurst Hybrids.** SCHZ-1Z. 30¢
Beautiful strain in violet and purple

shades. ½ Oz. \$1.30.

—**wisetonensis.**

Valuable hybrid race; most popular type for pot culture; 18"; may be planted any month for GH growing; space plants 1 ft.

—**Butterfly Mixture.**

Brilliant colors; 1 ft. ½ Oz. \$1.00.

—**Dwarf Boquet.**

Extra dwarf strain; brilliant colors. ½ Oz. \$1.50.

SCHIZOBASOPSIS

(skye-goh-bas-OPS-us)

South African bulbs grown in the GH as a curiosity; keep bulbs dormant from May-October.

—**volubilis.**

(Bowiea).

SCHB-1. 35¢

SCHIZOSTYLUS.

(skye-ZOSS-til-iss)

Crimson Flag, Kafir-Lily. Iridaceae. nice GH cutflower in the North.

—**coccinea.**

Deep crimson fls, 2" across; lvs grass-like; 2 ft; TP.

SCHI-1. 30¢

SCHRANKIA.

Leguminosae. (Morongia) Amer. and Af. perennials, woody plants and shrubs.

—**uncinata.**

Sensitive Brier. Decumbent, with stems to 4 ft long; pink fls in heads, 1" ac; (VIII); HHP.

SCHR-9. 30¢

SCIADOPITYS.

(sy-ad-DOP-it-iss)

Umbrella Pine. Taxodiaceae. Japanese evergreen tree; ornamental; slow growing.

—**verticillata.**

Hardy up to Michigan; (IV); leaves small and scale-like.

SCIA-1. 35¢

SCHWALBEA.

Scrophulariaceae. Eastern N. American perennials.

—**americana.**

Showy spikes of yellow and purple fls, 2 ft long; found in moist sandy meadows.

SCHW-1. 30¢

SCIRPUS.

(SER-pus)

Bulrush. Cyperaceae. Grass-like plants with little spikelets; grown in shallow water or low places.

—**Hystrix.**

(S. natalensis) To 6"; tufted; spikelets ¼" long; dense heads; TA. ½ Oz. 90¢.

SCIR-7. 40¢

SCILLA

Liliaceae. Attractive and popular bulbous plants with narrow basal lvs and sprays of starry flowers in blue, white or pink; ideal for rockery, woodland or border; they can also be grown in pots. (SIL-ah).

—**bifolia.**

Dwarf, deep blue; very early bloomer. BULBS: 10, 60¢; 100, \$3.00.

—**hispanica.**

Spanish Bluebells. (S. campanulata). 10, 50¢; 100, \$4.00.

—**alba maxima.**

Wood Hyacinth. Good naturalized; in shady places; white flowers.

BULBS: 10, 60¢; 100, \$5.00.

—**Arnald Prince.**

Deep rose; long trusses.

BULBS: 10, 60¢; 100, \$5.00.

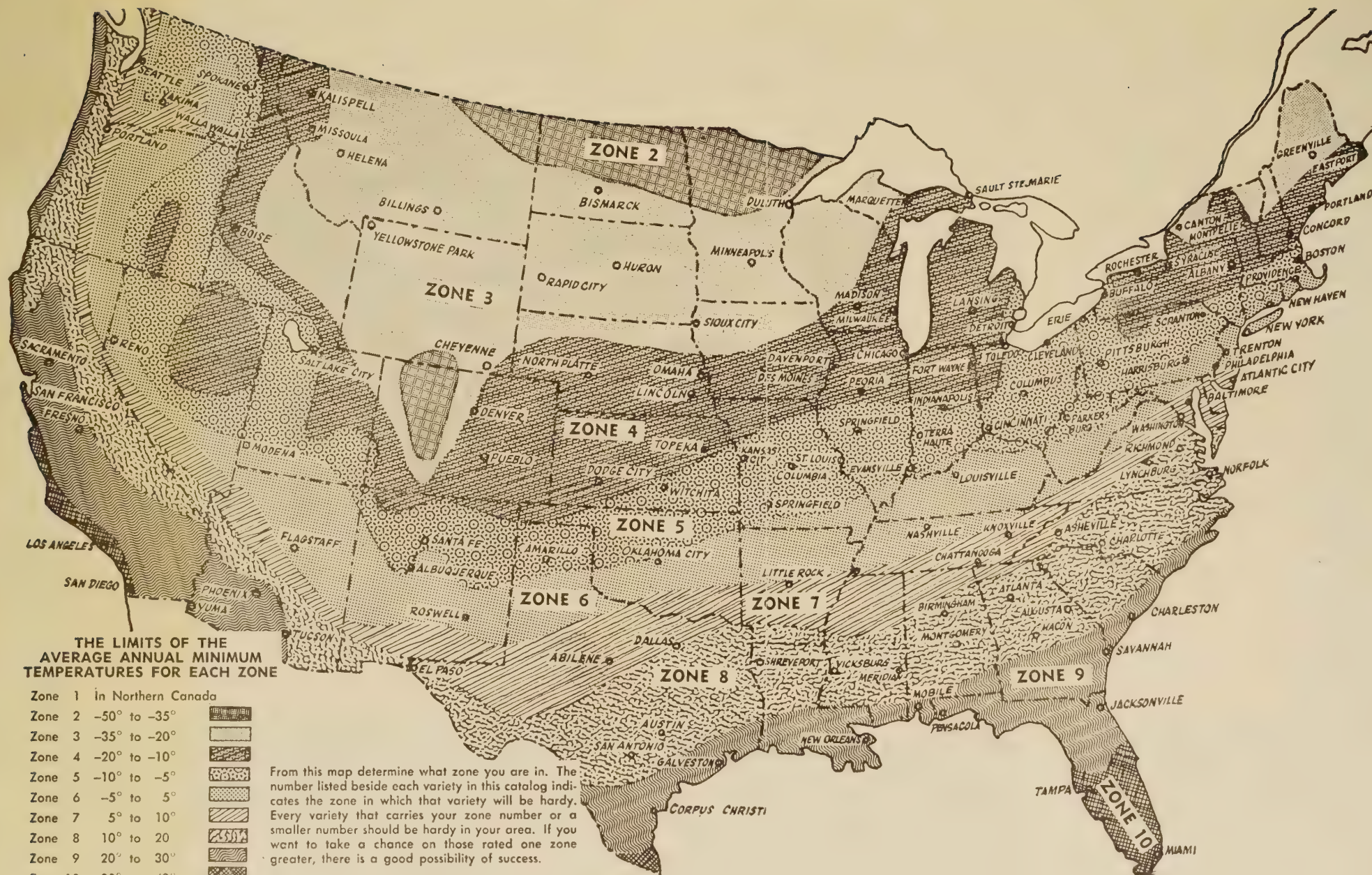
—**Blue Queen.**

Early pale blue; pretty.

BULBS: 10, 60¢; 100, \$4.75.

—**Excelsior.**

Strong grower; bright blue spikes.



- BULBS:** 10, 60¢; 100, \$5.00.
 —**Peach Blossom.**
 Pretty pink variety.
BULBS: 10, 60¢; 100, \$5.00.
 —**White Triumphator.**
 Pretty white; strong grower.
BULBS: 10, 60¢; 100, \$6.00.
 —**nonscripta.** **SCIL-12. 40¢**
 (nutans) In racemes; 1 ft; HBb; no bulbs.
 —**siberica.**
 Deep blue fls, $\frac{1}{2}$ " ac; nodding racemes.
BULBS: 10, 60¢; 100, \$4.00.
 —**Spring Beauty.**
 Large pure white.
BULBS: 10, 70¢; 100, \$5.50.
 —**Mixed.** **SCIL-X. 25¢**
 Mixed seeds of those listed.
 —**Mixed Bulbs.**
 Mixed bulbs of above; delivery in the fall
BULBS: 25, \$1.00; 100, \$3.50; 1,000, \$25.00.
 —**hyacinthoides.** **SCIL-8. 30¢**
 Hyacinth S. Violet-blue fls $3\frac{1}{4}$ " ac; HBb.
 —**nonscripta.** **SCIL-12. 40¢**
 (Nutans) English Blue Bells. 1 ft; HBb.
 —**peruviana.** **SCIL-13. 25¢**
 Purple to reddish or white; 1 ft; HP.
 —**pratensis.** **SCIL-14. 40¢**
 Very small blue fls in racemes; 18"; HBb.

SCORZONERA. (skor-zoh-NEER-uh)
 —**hispanica.** **SCOR-1. 30¢**
 Cardoon, Black Salsify. A good root vegetable used much like Salsify; plant in early spring; can be grown as HA or HB. Oz. 35¢; lb. \$2.30.

SCROPHULARIA. (skrof-yew-LAY-fe-uh)
 Figwort Scrophulariaceae. Hardy perennials planeted in the border; also a medicinal herb.
 —**chrysanihea.** **'SCRO-3. 30¢**
 Greenish yellow fls; 2 ft; HB or HP; caucasus.

SCUTELLARIA. (skew-tel-LAP-ree-uh)
 Labiatae. Annuals and perennials with blue violet, scarlet or yellow 2-lipped flowers in terminal spikes or racemes; for border or rockery.
 —**integrifolia.** **SCUT-13. 30¢**
 Blue fls in spikes in early summer; 2 ft; HP. (IV).

SEAFORTHIA: see **Archontophoenix.**
 —**elegans:** see **Ptychosperma elegans.**

SECIUM. (SEEK-ee-um)
 —**edule.** **SECH-2. 40¢**
 Chayote, Christophine. 10 fruits \$3.00.
 Delivery on arrival of fruits.

SECURIDACA (see-q-RID-ah-see)
 Rhodesian Violet Tree. Popygalaceae. A showy flowering tree hardy in the South.
 —**longipedunculata.** **SECU-1. 30¢**
 Very beautiful tree; small pea-like purple pink fls; fragrant.

SEDUM

(SEED-um) Stone Crop, Live-For-Ever. Succulent or fleshy, erect or prostrate plants, mostly hardy and easily grown; popular for the rockery, walls and such places. No rock garden is complete with out Sedums; they are appealing to children. Sow seeds any time and treat like any perennial; sunny spots light sandy soil.
 —**acre.** **SEDM-2. 30¢**
 Vigorous, spreading; mats of rich green; golden stars; 4"; HP.

—**album x murale.** **SEDM-8M. 30¢**
 Purple foliage; pinkish fls; creeping, mat forming; 8"; HP.
 —**caeruleum.** **SEDM-28. 30¢**
 Charming species with pale blue fl-heads; foliage green, turning red at flowering time; June-Aug; 3-4 ft; space 4 ft HP.
 —**euphorbioides.** **SEDM-42. 40¢**
 —**floriferum.** **SEDM-57. 40¢**
 Yellow fls $\frac{1}{2}$ " across; semi-evergreen; July-August; China; HP.
 —**involutratum.** **SEDM-69. 40¢**
 —**Kamtschaticum.** **SEDM-72. 40¢**
 Orange-yellow fls, $\frac{3}{4}$ " across; HP.
 —**Leibergii.** **SEDM-76. 30¢**
 Fine for RG; fleshy spoon-shaped lvs; golden stars; 10"; HP.
 —**oreganum.** **SEDM-100. 30¢**
 Green lvs; bright yellow, fading to a pink; HP.
 —**rosea.** **SEDM-127. 30¢**
 Yellowish or greenish fls; 1 ft; HP.
 —**sempervivoides.** **SEMP-138. 30¢**
 Red fls, $\frac{1}{2}$ " across; 1 ft; HBB.
 —**spectabile, Brilliant.** **SEDM-146B. 40¢**
 Red fls $1\frac{1}{2}$ " across; glaucous; 18"; HP.
 —**spurium coccineum.** **SEDM-148C. 30¢**
 Creeping mats; 6"; nearly evergreen; red fls; HP.
 —**Tatarinowii.** **SEDM-159. 30¢**
 White to pink fls; 8"; China; HP.
 —**Sedum Mixed.** **SEDM-X. 30¢**

SELENICEREUS: see in list under **Cacti.**

SEMPERVIVUM

(sem-per-VYE-vum) House Leek. Crassulaceae. Succulent plants or sub-shrubs with fleshy leaves and very much like the Sedums. Flowers are in dense heads, white, pink, greenish yellow or purple; excellent for rockery and thrive in sandy soils, sunny places.
 —**caespitosum.** **SEMP-16. 30¢**
 (Aeonium) Tender shrub; lovely golden flowers.
 —**glaucum.** **SEMP-31. 40¢**
 Red flowers 1" across; 1 ft; HP.
 —**ornatum.** **SEMP-69. 40¢**
 Best of the House-Leeks. (S. Schlehanii v. brunneifolium); brown lvs, red in winter; 6"; rose fls.
 —**Mixed.** **SEMP-X. 25¢**

SENECIO

(se-NEE-see-oh) Groundsel, Cineraria. Compositae. A large and variable genus, including shrubs and trees. They are usually easy to grow from seed; a good loamy soil best. The greenhouse Cinerarias correctly belong here.

—**adonidifolius.** **SENE-2. 40¢**
 —**ambracens.** **SENE-4. 30¢**
 —**diversifolia.** **SENE-21. 30¢**
 Low growing shrub; yellow fls; hardy.
 —**donoricum.** **SENE-24. 30¢**
 Orange Daisy. 1 ft; RG; HP.
 —**Double Mixed.** **SENE-25DX. 25¢**
 —**elegans.** **SENE-29. 25¢**
 Flower heads in loose corymbs; rays purplish, disks yellow; 2 ft; HA.
 —**Tom Thumb.** **SENE-29T. 30¢**
 Dwarf double. Choice mixed.
 —**jacqmontiana.** **SENE-30. 50¢**
 Collected in the Himalayas; HP.
 —**leucostachys.** **SENE-34. 25¢**
 Shrubby at base; RG; porch box; HHA. Oz. 60¢.
 —**candidissmus.** **SENE-14C. 30¢**
 Extra good porch box plant; less stiff habit; white tomentose lvs. Oz. 80¢.
 —**Diamond.** **SENE-14D. 25¢**
 Usually listed under Cineraria; foliage

pure white; RG. Oz. 80¢.

—**graberii.**

Shrub to 3 ft; many butter-yellow daisies in summer; beautiful; neat leaves.

—**grayii.**

Yellow flowered daisies; N. Z shrub; lvs white-felted beneath; cliff plant; 3 ft; will stand 15 degrees Far.

—**macroglossus.**

Cape Ivy. Bright yellow daisies; climber; TP.

—**Monroi.**

N. Z. shrub; 6 ft; fls yellow in heads a good $\frac{1}{4}$ " ac; corymbs; very pretty; gray-green notched leaves.

—**Purshiana.**

Light gray foliage; bright yellow heads; 8 ft; HP.

—**scandens.**

Climber to 20 ft; loose panicles; yellow ray fls; 3-4 ft; HHP.

—**Mixed.**

SEQUOIA.

(see-KWOI-yah)

Taxodiaceae. The large evergreen tree of California, growing to 300 ft. They grow only near the sea coast where the fogs occur. germination is usually very low on all lots.

—**sempervirens.**

Redwood Tree. Oz. 75¢ ;lb. \$7.00.

SEQUIADENDRON.

(see-kwoy-ad-DEN-dron) Giant Sequoia.

—**giganteum.**

Giant Sequoia. This is the famous giant trees of California; specimens have been grown in central N. Y. or zone (IV). Oz. \$1.50.

SERRATULA.

(sehr-RAT-yew-loh)

Compositae. Perennials allied to Centaurea. Flowers are either single or in corymbs, of disk flowers; good plant for the border.

—**coronata.**

SERR-1. 30¢

SESBANIA.

(ses-BAY-nee-uh)

—**emerus.**

Elaeagnaceae. Shrub; 16 ft; TSh; (X).

—**Zambesiaca.**

South Rhodesian species.

SETARIA.

(see-TAY-ree-uh)

Gramineae. Tender annual and perennial

SETICEREUS: see in list under Cacti.

SHAMROCK.

—**True Irish.**

Easily grown; start early. Oz. 60¢.

SHEPHERDIA.

(shep-HERD-ee-uh)

Elaeagnaceae. Shrubs and small trees, adapted to dry rocky soils and doing well near the sea shore; sow seeds in the fall or stratify.

—**argentea.**

Buffalo Berry. A thorny hedge shrub; very hardy; $1\frac{1}{2}$ ft.

—**canadensis.**

Thornless; fruits red or yellow; very hardy; 8 ft.

SIDALCEA.

(sy-DAL-see-uh)

Malvaceae. Flowers are like miniature Hollyhocks, in spikes or clusters; thrive in rich sandy soils. The perennials bloom over a long time; fine for border; germinates freely in light sandy soil in pans, during April; use cold frame.

—**Stark's Hybrids.**

SIDA-55. 25¢

A highly improved strain and extra color range; 3 ft; HP. $\frac{1}{2}$ Oz. 90¢.

SILENE

(see-LEE-n-ee) Catch-fly, Campion. Caryophyllaceae. Annual, biennial and perennial plants in many species, most showy and valued both in the border and rockery. The seed of the annuals can be sown in the fall, and earlier flowers will be produced.

—**acaulis.**

Pink fls; moss-like tufted perennial; May-August; HP.

—**elongata.**

Glistening white fls, $\frac{1}{2}$ " ac; panicles; in

June-August; 6"; HP.

—**flora pleno.**

Double flowered form.

—**armeria.**

Bright magenta; 1 ft; HP; sow in late fall

—**Peach Blossom.**

Compact; flesh color; drooping racemes.

—**pendula.**

Rose and white fls; 20"; HP.

—**New Art Shades.**

Dwarf; double fls; RG; HP.

—**All Armeria Mixed.**

Low caespitose curly lvs; white, marked

mahogany; scree; HP.

—**flimbriata.**

Rose and white fls; best grown as HA;

Sept; 3 ft; HP.

—**Frivaldskyana.**

Cream to white fls; Greece; $2\frac{1}{2}$ ft; HHP.

—**Hookeri.**

White or pink fls, 2" ac; lovely for RG;

5"; HP.

—**maritima.**

Pretty white fls; RG; 5"; HP.

—**pendula, Rose.**

Rose fls, $\frac{1}{2}$ " ac; drooping racemes; 10";

HA. Oz. 90¢.

—**Bonnetii.**

Purplish fls; stems brownish red; 10"; HA

—**Byou.**

Double salmon-rose fls; 10"; HA.

—**White.**

Compact double crimson; HA. Oz. 90¢.

—**Double Mixed.**

Rosy purple fls; RG; 6"; HP. $\frac{1}{2}$ Oz. 50¢.

—**Abbotswood Variety.**

Silene Mixed. SILE-100A. 30¢

All kinds mixed.

SILPHIUM.

(SILL-fee-um)

Compositae. Thistle-like herbs blooming the first year from seed.

—**integrifolium.**

To 50 ft; fl-heads 2" across; Aug-Sept; (IV).

—**laciniatum.**

Compass Plant. Yellow fls, 2" ac; 3 ft;

attractive oak-leaf foliage; (III); HP.

—**perfoliatum.**

Cup-Plant, Indian Cup. Flower heads 3"

across, yellow; June-Sept; 6-8"; HP; (IV).

SILYBUM.

(SILL-ib-um)

Compositae. Thistle-like herbs; bloom first year from seed.

—**marianum.**

(Carduus) Blessed or Holy Thistle. To

4 ft; heads $2\frac{1}{2}$ " ac; HA or HB.

—**italica.**

Fox-Tail Millet. Ornamental grass; 5

ft; TA.

SETA-1. 25¢

SIMMONDSIA.**—californica.**

Goat-nut. Boxwood-like evergreen shrub to 7 ft; (VIII).

SIM-1. 30¢

SINNINGIA

(sin-NIN-jee-ah) Gloxinia. Gesneriaceae. Brazilian plants with tuberous corm-like roots. The Gloxinia being the best known; requires a warm humid atmosphere and shade.

February-April sown seeds will produce flowering plants for winter; germinate at 60 deg. F., in sifted peat, sand and leaf-mould, equal parts.

—speciosa.

Gloxinia. The best strain obtainable; in a blend of colors; florist strain. Trade Packet 75¢.

SINN-25. 50¢

—Berlin, Mixed.

(Multiflora) Special free-flowering florist strain.

SINN-25BX. 50¢

—Defiance.

(Benary) The scarlet Gloxinia.

SINN-25D. 50¢

—gigantea.

Benary's famous strain; large sized fls; rich colors.

SINN-25G. 50¢

SISYRINCHIUM.

(siss-ir-RINK-ee-um)

Blue Eyed Grass. Iridaceae. American grass-like perennials with small blue or yellow flowers; attractive in colonies in open moist places; easily grown.

—augustifolium.

Blue stars with yellow eyes; 6"; RG; HP.

SISY-1. 30¢

—Bermudiana.

Large blue fls; sunny RG; 9"; HP.

SISY-2. 30¢

—californicum.

Bright yellow fls, 1/2" long; 1 ft; HP.

SISY-7. 30¢

—Douglasii.

Best species; large violet to white fls; 8"; (grandiflorum); HP.

SISY-10. 30¢

—striatum.

Yellow striped fls; 3 ft; attractive; HP.

SISY-23. 30¢

—Mixed.

SISY-X. 25¢

SKIMMIA.

(SKIM-mee-uh)

Rutaceae. Evergreen shrubs native of China and the Himalayas; small white fls in terminal panicles; very ornamental shrubs for the South; in the North it makes a good pot plant; sow seeds in cold frame during Feb.

—japonica.

(S. oblata) Bright red fruits; 5 ft; HHP. Oz. 50¢; lb. \$2.70.

SKIM-1. 30¢

SMILACINA.

(smye-las-SYE-nuh)

False Solomon's Seal. Liliaceae. Perennial rhizomatous plants; small white or greenish flowers in terminal racemes or panicles; moist part shade; nice in colonies.

—herbacea.

False Solomon's Seal. White fls; 2 ft; red berries; (IV); HP.

SMIL-3. 30¢

—stellata.

Wild Lily-of-the-Valley. May-June; 10"; HP.

SMIL-5. 25¢

SMILAX.

(SMYE-lax)

—herbacea. SMIX-8. 30¢
Carrion Flower. Slender twining shrub to 30 inches; creamy white fls in a globe similar to Primula denticulata; fruits bluish black and hold on stem well.

—Kaussiana.

S. Af. tender climber; fol. decorative.

SMIX-14. 50¢

SMYRNIUM.**—olusatrum.**

Black Lovage. Leaves are used in salads; sow seed in April; 4 ft; HB, treat as HA in North.

SYMR-3. 25¢

SNAPDRAGON: see *Antirrhinum*.

SOLANDRA.

(sol-LAND-ruh)

—grandiflora.

Chalice Vine; (IX)..

SOLA-2. 40¢

SOLANUM

(soh-LAY-num) Solonaceae. A large genus to which the potato and egg plant belong. A rather confused genus; the interesting species are the ornamental berried species, such as the Jerusalem Cherry. Sow seeds of the annuals, where they are to grow; the perennials can be started indoors early or handled like other tender perennials; they make excellent berried pot plants.

—aculeatissimum.

Decorative plant; bright scarlet fruits; 2 ft; TP.

SOLN-1. 30¢

—aviculare.

(S. laciniatum) Kangaroo Apple. Purplish fls, 1" across in cymes; yellow fruits; ornamental; 10 ft shrub; N. Z. 1/4 Oz. 65¢.

SOLN-9. 35¢

—Capsicastrum.

Scarlet or orange pointed fruits, 1/2" ac; 2 ft; TP; sow seed in pans of light soil.

SOLN-10. 30¢

—integrifolium.

Scarlet or Tomato Egg Plant. Fruits 2" across; scarlet; ornamental. 1/4 Oz. 65¢.

SOLN-27. 30¢

—marginatum.

Yellow globose fruits, 1 1/2" across; spiny shrub; 4 ft; TSh.

SOLN-32. 30¢

—nigrum.

Black fruits used in preserves, pies, etc; forms known as Garden Huckleberry, Wonderberry; 2 1/2 ft; TA.

SOLN-35. 50¢

—Pseudo-Capsicum.

Jerusalem Cherry. Scarlet or yellow fruits; 2 ft; TP; the popular Xmas Cherry pot plant of the florist.

SOLN-36X. 30¢

—nanum.

Small compact plant; red berries. Oz. 90¢

SOLN-36N. 30¢

—Clevelandii.

Select foliage; bright red fruits; 18".

SOLN-36C. 30¢

—Hendersonii, New Paterson.

Oz. \$2.25.

—Orange-red oval fruits; nice for pots; 15".

SOLN-36P. 30¢

—Hlavacek's Masterpiece.

Compact 15" plants; bright red fruits.

SOLN-36H. 30¢

—texanum.

Spineless form; Scarlet Tomato; 3 ft; TA.

SOLN-45. 30¢

—Torreyi.

Purple Fl. Nightshade. Blue star-shaped fls; dry or moist soil; (V); HP. 1/2 Oz. 50¢.

SOLN-46. 30¢

—verbascifolium.

Tree to 30 ft; fruits yellow; (X).

SOLN-69. 30¢

—Mixed.

SOLN-X. 25¢

SOLDANELLA.

(sol-dan-NEL-lah)

Primulaceae. Perennial plants with nodding blue, violet or white fringed flowers; native of Alps; thrive in moist shady places in RG.

—alpina.

Pale blue fls in umbels; roundish lvs; 6"; HP.

SOLD-1. 30¢

SOLENANTHUS.

(sol-en-AN-thus)

—stylosus.

Allied to Cynoglossum and Lindelofia;

SOLE-3. 30¢

—Mixed.

SOLI-X. 25¢

SOLLYA.

(SOL-yah)

Pittosporaceae.

—fusiformis.

Australian Bluebell Creeper. (S. heter-

SOLL-2. 40¢

The order blank indicates from which issue of catalog you are ordering from; its use is a big help in filling your order.

blue fls in dense paniced racemes; HP.

SOLIDAGO. (sol-id-DAY-goh)

Golden Rod. Compositae. Erect perennials with yellow Goldenrod flowers, many of which are excellent border plants; do not fertilize them too much.

—**elongata.** SOLI-17. 30¢
Compact flower clusters of yellow fls; 3 ft; HP.

—**missouriensis.** SOLI-35. 30¢
Dwarf species; golden heads in panicles; 18"; HP.
—**ophylla.** Twining shrub; part shade; 6 ft; good ground cover; GH in North; (IX).

SOPHORA.

(sof-FOH-ruh) Leguminosae. Showy ornamental woody plants when in bloom; flowers in terminal panicles or racemes, followed by cylindrical or 4-winged pods. They are not hardy in the North, especially the evergreen species.

—**Boiotypes.** SOPH-2. 35¢
Yellow fls; 20 ft; (IX); N. Z.

—**japonica.** SOPH-3. 30¢
Japanese Pagoda Tree, Chinese Scholar Tree. Oz. 50¢; lb. \$2.00.

—**pendula.** SOPH-3P. 30¢
Oz; 50¢; lb. \$2.00.

—**microphylla.** SOPH-4. 50¢
N. Z. tree with white fls; (IX)

—**secundiflora.** SOPH-6. 40¢
Mescal Bean. (IV). 100 seeds \$1.75.

—**tetraptera.** SOPH-7. 50¢
Small evergreen tr to 40 ft; bright golden yellow fls, 2" long; soak seeds or notch; N. Z.

—**tomentosa.** SOPH-8. 30¢
—**treadwellii.** SOPH-11. 30¢

(Kowhei) Small tree of rather spreading habit having Maidenhair-like lvs; fls are golden yellow, a parrot's beak shape, in clusters in spring; Aust.

—**viciifolia.** SOPH-9. 30¢
Deciduous shrub to 8 ft; bluish violet fls in racemes; hardy in North.

—**Mixed Seeds.** SOPH-X. 25¢

SOPUBIA.

—**angolensis.** SOPSU-1. 40¢
Dainty pink fls; grayish lvs; erect; (IX).

—**leprosa.** SOPSU-4. 40¢
Deciduous branched shrubby plant; 4 ft; pale gray, almost white, lvs; pretty pure white fls; found growing in water and marshy ground; very decorative; rare; S. Rhodesia; (IX).

SORBARIA.

False Spirea. Rosaceae. Ornamental shs from China.

—**tomentosa.** SORBA-11. 30¢
18 ft; Himalayas. c.s. Oz. 65¢; lb. \$4.50.

—**sorbifolia.** SORBA-9. 30¢
6 ft; (IV). c.s. Oz. 75¢; lb. \$6.50.

SORBUS

(SOR-bus) Mountain Ash. Rosaceae. Deciduous trees, hardy in the North; thrives in dry soils; sow seed when ripe or stratify over winter.

—**americana.** SORB-2. 30¢
American Ash. Tree to 30 ft; hardy.

—**Aria.** SORB-5. 30¢
White Bean Tr. 50 ft. c.s. Oz. 90¢; lb. \$8.00.

—**Aucuparia.** SORB-6. 30¢
European Mt. Rowan. c.s. Oz. 80¢; lb. \$7.50.

—**commixta.** SORB-9. 30¢

To 25 ft; Japan and Korea.

—**domestica.** SORB-13. 50¢
Service Tree. (VII). c.s. Oz. \$1.00; lb. \$12.00.

—**scopolina.** SORB-29. 30¢
Mt. Ash. Montana; (II); Lb. \$1.50 d. b.

—**terminalis.** SORB-32. 30¢
Wild Service Tr. c.s. Oz. 70¢; lb. \$6.50.

—**Vilmorinii.** SORB-34. 50¢

SPARANTHEA.

—**species (?)** SPAT-1. 30¢
California grown seed.

SPARAXIS (spuh-RAX-iss)

—**Mixed.** SPAX-X. 30¢
Grandiflora, tricolor and albiflora, mixed.

SPARTIUM.

(SPAHR-tee-um)
Spanish or Weaver's Broom. Leguminosae. Ornamental shrubs from So. Eu. and hardy in (VI) zone.

—**junceum.** SPAM-2. 30¢
Spanish Broom. (Genista junceum) (VIII). Oz. 50¢; lb. \$2.00.

—**scoparium:** see *Cytissus scoparius*.

SPATHIPHYLLUM. (spath-if-FILL-um)

—**floribundum.** SPAH-4. 50¢
Very rare seed; fine tropical plant from Columbia; belongs to the Arids; white fls.

SPATHODEA. (spath-OO-dee-ah)

Bignoniaceae. Tropical African evergreen trees suitable for the far South; they are very beautiful when in flower.

—**campanulata.** SPHA-2. 50¢
Street tree for S; (X). 100 seeds \$1.50.

—**nilotica.** SPHA-3. 50¢
Nile Flame Tree. Orange-red fls; glossy bright foliage; pretty; (IX); seed very light. 1/8 Oz. \$1.25.

SPECULARIA. (spek-yew-LAY-ree-uh)

Campanulaceae. Annuals resembling Bell-flowers; excellent for the rocky, border or for edging; easily grown from seed.

—**Speculum-Veneris.** SPEC-3. 25¢
Venus Looking Glass. Edging; violet-blue, bell-shaped fls, 1" across; July-Sept; 1 ft; space 6"; HA.

—**Violet.** SPEC-3V. 35¢

NEW A greatly improved form of this annual; deep violet-blue fls with white centers, borne in such profusion throughout the summer to completely cover the foliage. Excellent for beds, edging or for sowing in the RG.

SPHAERALCEA. (sfeer-RAL-see-uh)

—**rivularis.** SPHA-12. 30¢
(Phymosia) Globe-Mallow. Very hardy; pink or white fls 2" across; 6 ft.

SPHEDAMNOCARPUS.

—**furrieis.** SPHD-2. 40¢
Climbing shrub; glossy green leaves; (IX); lovely.

—**pruriens.** SPHD-1. 40¢
Climbing shrub; fls like rock roses; a bright yellow, 1/2" across; fruits winged and bright pink; very attractive; (IX).

SPHENOSTYLIS.

—**marginata.** SPHE-5. 30¢
From South Africa.

SPRAGUEA.

(SPRAYG-ee-ah)
Pussy Paws. Portulacaceae. Small alpine

plants with rosettes of thick fleshy evergreen leaves and heads of fluffy pink flowers on prostrate stems; excellent in the rockery in light shade.

—**multiceps.**

Dense heads, rose-purple fls; 6"; Wash-Wyo.

SPRG-1. 30¢

SQUASH

Listed here are some of the rarer foreign types, not usually found in the regular seed catalog. If you have a vegetable garden, by all means try at least one.

—**cerberus.**

Extra early; deep green; summer Squash type; Oz. 50¢.

—**Naples.**

Italian summer Squash of marrow type; excellent when stewed with tomatoes, etc. Oz. 45¢.

SQUA-1. 25¢

SQUA-2. 25¢

STAPHYLEA.

(staf-il-LEE-uh)

Bladder-Nut. Staphyleaceae. Ornamental shrubs or small trees with white flowers in terminal panicles and bladder-like fruits; most are hardy in the North; prefer partial shade, moist rich soil; sow seed when ripe or stratify till spring.

—**pinnata.**

European B. Fls in nodding racemes, 5" long; fruits 2" long. Oz. 50¢; lb. \$4.00.

STAP-8. 30¢

STAR OF TEXAS: see *Zanthisma*.

STATICE: This genus has now been reclassified and all the species formerly listed under it are now under *Ameria* or *Linonium*, which see. (STAT-iss-ee).

STENOCACTUS: see in list under *Cacti*.

STENOLOBIUM.

(sten-oh-LOH-be-um)

—**stans.**

STEN-1. 25¢

Yellow Elder or Yellow Bells. An erect shrub or small tree with showy bell-shaped yellow fls borne in clusters; native along Gulf Coast to Fla where it is a popular ornamental.

—**velutina.**

STEN-IV. 30¢

Leaves pubescent underneath.

STEPHANANDRA.

Rosaceae. Shrubs from Asia; fls in terminal panicles or corymbs.

—**incisa.**

STEH-6. 35¢

8 ft; Japan. Ask for lb. prices.

STEPHANOTIS.

(steff-uh-NOH-tiss)

—**floribunda.**

STEO-2. 40¢

Madagascar Jasmine; (X). 100 seeds \$5.00.

STERCULIA.

—**colorata.**

STER-4. 30¢

Ornamental tree; (VIII). Oz. 65¢.

—**platanifolia:** see *Firmiana simplex*. The Chinese Parasol Tree or Phoenix Tree.

STEVIA: see *Piqueria trinervia*. The florist Stevia.

STEWARTIA.

(stew-ART-ee-uh)

N. Amer. and Asian shrubs and trees, with showy white fls; ornamental; fairly hardy in the N; mixture of peat and loam both; thrive under similar conditions as *Rhododendrons*; acid soil.

—**koreana.**

STEW-1. 50¢

Korean Tree to 50 ft.

—**monadelpha.**

Japanese tree to 80 ft.

—**Pseudo-Camellia.**

Tree to 50 ft; fls 2½" across, with white stamens and orange anthers.

STEW-4. 50¢

STEW-7. 30¢

STILLINGA.

—**sylvatica.**

STIL-1. 30¢

Queen's Delight. Tassel-like fls; 2½ ft; (VII); HP.

—**sebifera:** see *Sapium sebiferum*.

STIPA.

(STY-pa)

Spear or Feather Grass. Gramineae. Perennial ornamental grasses, with awn-like spikelets borne in panicles and very popular as an ornamental grass.

—**pennata.**

STIP-3. 20¢

Very pretty; tufted to 3 ft; dense plumes; HP.

STIZOLOBIUM.

—**prurritum.**

STIZ-6. 40¢

Cowage, Cowitch. (X). 100 seeds \$3.00.

STOCKS: see *Mathiola* and *Malcomia*.

STOKESIA.

(stoh-KEEZ-ee-uh)

Stoke's Aster. Compositae.

—**laevis v. Blue Moon.**

STOK-1BM. 25¢

A pretty HP Compositae, requiring some protection in the N; easily grown from seed; well drained sandy soil best.

STRANVAESIA.

(strau-VEEZ-ee-uh)

Very hardy evergreen shrubs from China; excellent fol effect in spring; the bright red fruit clusters stay on nearly all winter.

—**Davidiana.**

STRA-2. 30¢

Sh to 15 ft; the best known species.

STRAWBERRY

The varieties offered here are grown from seed each year and fruit the same year; they are planted very much in Europe. It may be best to sow the seed late in the fall to germinate in the spring.

—**Baron Solemacher.**

STRW-2Y. 20¢

Yellow fruited variety.

Oz. \$2.50.

—**Red Fruited**

STRW-2R. 20¢

Oz. \$2.50.

—**Harzland.**

STRW-2H. 25¢

A new large red variety.

—**Rugen.**

STRW-2G. 20¢

Large red fruits. Oz. \$2.00.

—**Mixed.**

STRW-2X. 20¢

STRELITZIA.

(strel-LITT-see-ah)

Bird-of-Paradise Flower. Musaceae. SO. African perennials with banana-like leaves and odd shaped fls; hardy in the far S and good tub plants in the N.

NOTE: *Strelitzia* seed is not plentiful and deliveries uncertain; you have a good chance of not getting prompt delivery.

—**augusta.**

STRT-2. 50¢

Bird-of-Paradise Flower. GH; (IX). 100 seeds \$6.00.

—**Nicolai.**

STRT-3. 50¢

To 18 ft; white fls with blue tongue; lvs 4 ft wide; (IX).

—**parvifolia.**

STRT-4. 50¢

Bright orange; blue tongue; bracts green, edged red. 2" long.

—**Reginae.**

STRT-6. 50¢

Yellow fls, dark blue tongue; 3 ft; 100 seeds \$15.00.

STREPTOCARPUS

Cape-Primrose. Gesneriaceae. They are of easy culture and thrive in a cool GH; sow seeds in Feb. or March for flowering plants the following autumn and winter. (strep-toh-KAUR-pus).

- Hybrids. STRP-4. 35¢
Gold Medal Strain.
- polyanthus. STRP-7. 50¢
- Rexii. STRP-8. 50¢
Blue or mauve flowers.
- Wendlanii. STRP-10. 50¢
Violet-blue flowers; 2 ft.

STREPHTANTHERA.

- cuprea. STRH-1. 35¢
S. African cormous plant belonging to the Ixia family; (IX); Hbb.

STROBILANTHES.

..(stro-bil-ANT-thes)

Acanthaceae. Plants and shrubs or tropical Asia, grown in the open in the South; the flowers and foliage are very attractive.

- isophyllus. STRO-4. 30¢
Willow-like leaves; pinkish fls; 3 ft.

STROPHANTHUS.

Apocynaceae. S. Af. shrubs allied to Nerium; fls showy; in terminal corymbs.

- gratus. STRP-1. 40¢
100 seeds \$4.00.

STYPHELIA.

- viredis. STYL-2. 25¢
Five-Corners. Greenish tubular fls; 6 ft; Australia.

STYLOMECON.

- heterophylla. STYL-8. 30¢
Attractive Poppy-like plant, native of California; sunny spot, light well drained soil; satiny Poppy-like fls, orange-scarlet, with dark maroon centers; July-Sept; 18"; HA.

STYRAX.

(STYE-rax)

Styracaceae. Shrubs and trees with showy white fls in racemes, followed by fruits; few are hardy in the North; light soils.

- americana. STAX-1. 25¢
Hardy in (IV) zone; 10 ft.
- japonica. STAX-6. 25¢
Fragrant fls; 20 ft; (IV). Oz. 70¢.
- Obassia. STAX-8. 25¢
Fragrant fls; 30 ft; (IV). Japan.
- Mixed. STAX-X. 25¢

SUTERA: see Chaenostoma Burkeana.

SUTHERLANDIA. (suther-LAND-ee-uh)

- frutescens. SUTH-1. 30¢
S. Af. shrub to 5 ft; whitish, lacy, compound lvs; clusters of glowing orange-red fls; inflated bronze pods; (VIII); a good tub plant, flowering all summer.

SWAINSONIA.

(swain-SOH-nuh)

- galegifolia. SWAN-3. 50¢
Swainsona Pea. A shrub to 4 ft; fern-like foliage; dark pink to mauve pea-fls; Australia.

SWEET BASIL: see Ocimum basilicum.

SWEET PEAS

(Lathyrus odoratus) Leguminosae. In the North they should be planted very early in the spring but in the South, plant late in the fall; sow direct to the soil, spacing them

about 3" apart; do not allow to go to seed as they will stop flowering. One of the common mistakes in growing them is in not giving them a strong support at the base of the wire, this swings back and forth, usually too far thus pulling the roots loose; be sure, too, to provide a support as soon as they are 1" tall; they germinate in about 10 days. The varieties offered are the very best in their color.

BUSH TYPE SPENCERS:

- Little Sweetheart. SPEA-5S. 50¢
A new and entirely different class of Sweet Peas; upright in growth, plants are 8 inches high and in a perfectly rounded bush. Oz. \$3.50.

SPENCER VARIETIES: The most popular for garden growing, especially in the North the (V) to (III) zones. The varieties listed are the best obtainable.

- Bonny Briar. SPEA-1BB. 25¢
Large rose-pink; excellent variety.
- Burpee Best White. SPEA-1BW. 25¢
White seeded; a very good white variety.
- Capri. SPEA-1C. 25¢
Clear silver-blue; strong stems.
- Charming. SPEA-1CM. 25¢
Pretty, flushed rosy cerise.
- Chieftain. SPEA-1CH. 25¢
Pure satiny mauve.
- Elsiree. SPEA-1EL. 25¢
Bright pink on cream, shaded darker.
- Excelsior. SPEA-1EX. 25¢
Dandy scarlet-orange, wings a darker shade; strong stems.
- Flagship. SPEA-1F. 25¢
Deep navy-blue shaded darker; nice.
- Flamingo. SPEA-1FC. 25¢
An orange-scarlet-cerise; one of the most attractive varieties.
- Gigantic. SPEA-1G. 25¢
Fine white; black seeded; GM winner.
- Gold Crest. SPEA-1GC. 25¢
Orange tinted salmon with darker shading; very showy
- Grand Slam. SPEA-1GS. 25¢
Beautiful cerise-scarlet, suffused.
- Mastercream. SPEA-1M. 25¢
Cream; black seeds; this is an excellent cream with stiff stems.
- Mrs. R. Bolton. SPEA-1MB. 25¢
A new deep salmon-pink; very large fls.
- Mrs A. Searles. SPEA-1MS. 25¢
A bright salmon-cerise.
- Petricia Unwin. SPEA-1P. 25¢
Salmon-pink suffused gold.
- Pink Frills. SPEA-1PF. 25¢
Rich salmon-pink on cream; a GM winner.; excellent variety.
- Radar. SPEA-1R. 25¢
Best salmon-pink; rich coloring.
- Red Boy. SPEA-1RB. 25¢
Pure rich crimson; long stems; vigorous.
- Welcome. SPEA-1W. 25¢
Dazzling scarlet; strong stems.
- What Joy. SPEA-1WJ. 25¢
Deep rich cream; white seeded.
- Windsor Blue. SPEA-1WB. 25¢
Clear mid-blue; excellent color.
- Youth. SPEA-1Y. 25¢
White, edged rose-pink.
- Formula Blend. SPEA-1FX. 25¢

PRICES: All above—Oz. 35¢; ¼ lb. \$1.20.

EARLY OR WINTER FLOWERING: This group is equally satisfactory for garden or greenhouse growing. The varieties listed are the very best for greenhouse culture; all listed under their original names.

- American Beauty.** **SPEA-2A. 25¢**
Rich crimson-rose, shaded deep crimson.
 - Annie Laurie.** **SPEA-2AL. 25¢**
Pure rose with white base; vigorous.
 - Ball Blue Supreme.** **SPEA-2BS. 25¢**
The best clear deep blue.
 - Ball's Rose Supreme.** **SPEA-2BR. 25¢**
Large wavy silvery rose-pink.
 - Blue Boy.** **SPEA-2BB. 25¢**
Beautiful dark blue.
 - Burpee's Orange.** **SPEA-2BO. 25¢**
Clear orange, shaded.
 - Cascade.** **SPEA-2C. 25¢**
Best white; white seeded.
 - Elk's Purple.** **SPEA-2EP. 25¢**
Large reddish purple; long stems.
 - Giant Pink.** **SPEA-2GP. 25¢**
Pink blended with soft rose; more intense on the edges.
 - Grenadier Improved.** **SPEA-2G. 25¢**
Dazzling crimson-scarlet; vigorous.
 - Kate Smith.** **SPEA-2K. 25¢**
Scarlet suffused rose; long stems.
 - Mars.** **SPEA-2M. 25¢**
A rich deep crimson.
 - Mrs. H. S. Reddick.** **SPEA-2R. 25¢**
Brilliant flesh pink, suffused salmon; immense flowers.
 - Orange King.** **SPEA-2GK. 25¢**
Glowing intense orange with crimson shading.
 - Oriental.** **SPEA-2N. 25¢**
Deep cream; black seeded; large flowers.
 - Princess Blue.** **SPEA-2PB. 25¢**
Rich bella donna blue; vigorous.
 - Shirley Temple.** **SPEA-2ST. 25¢**
Delightful soft rose-pink, fluted; long stems.
 - Supreme Orange.** **SPEA-2S. 25¢**
(Zvolanek's) Cerise wings, orange standards.
 - Twilight.** **SPEA-2T. 25¢**
A fine lavender.
 - Zvolanek's Salmon.** **SPEA-2Z. 25¢**
Salmon-cerise; large flowers; vigorous.
 - Florist Blend.** **SPEA-2X. 25¢**
- PRICES:** Any of above—Oz. 50¢; ¼ lb. \$1.50; lb. \$3.50.

SPRING FLOWERING CUTHBERTSON:

A new intermediate season type, whose main recommendation is heat resistance. The colors are plainer and not as good as in the Spencers. They should be grown in the South where the regular types are not satisfactory.

- Finest Mixed.** **SPEA-3X. 25¢**
Oz. 35¢; ¼ lb. \$1.00.
- Butterfly Hybrids.** **SPEA-4B. 25¢**
A very gay and striking blend of striped colors in an unbelievable number of attractive color combinations. This variety has excellent vigor with four huge blooms on a strong stem. A new and unusual variety that should be grown in every flower garden. ½ oz. 50¢.

SWEET WILLIAM: see *Dianthus barbatus*.

SWERTIA.

- bimaculata.** **SWER-2. 25¢**
- multicaulis.** **SWER-4. 25¢**
From Himilayas; 3 inches; HP.
- speciosa.** **SWER-9. 30¢**
White fls with dark blotches; Himilayas; HP.
- Mixed.** **SWER-X. 25¢**

SWIETENIA.

- macrophylla.** **SWIE-2. 35¢**
Mahogany. (X). Oz. 75¢.
- Mahoganii.** **SWIE-3. 50¢**

Mahogany. 100 seeds \$3.00.

SYMPHORICARPOS. (sim-for-ik-KARP-os)

Campanulaceae. Biennials and perennials resembling Campanulas; fls white violet, nodding, bell-shaped; grow as for Campanulas.

- albus.** **SYMC-2. 30¢**
(S. racemosa) Waxberry. c.s. Oz. 75¢; lb. \$11.00.

SYMPHYANDRA.

- orbiculatus.** **SYMP-8. 50¢**
Coral Berry. 7 ft. C. s. Oz. \$1.00.

SMPLOCOS.

(sim-FLOH-kos)
Sweet-leaf. Symplocaceae. Trees and shrubs of ornamental value; seeds are slow to germinate.

- paniculata.** **SYMP-1. 30¢**
Deciduous tree; 30 ft; white, fragrant fls; blue fruits; HTr.
- thaefolius.** **SYMP-3. 30¢**

SYAGRUS.

- campestris:** see *Cocos campestris*. Palm.
- Weddelliana.** **SYAG-5. \$1.00**
Sow in January in flats; a good pot plant for GH; 100 seeds \$6.00. Orders should be placed well in advance at least 6 months.

SYMPHYANDRA.

Campanulaceae. Biennials and perennials resembling Campanulas; white or violet fls, nodding, bell-shaped. Grow as for Campanulas.

- Hofmannii.** **SYMD-3. 30¢**
White or violet nodding fls 1½" long in terminal panicles; 2 ft; Bosnia; (IV).

SYNCARPIA.

(syn-CAR-pee-ah)
Myrtaceae. Australian ornamental trees with white flowers; hardy in the South.

- glomulefera.** **SYNC-1M. 50¢**
Turpentine Tree. Handsome tr to 150 ft; warm regions; showy cream fls; good foliage; curiously formed seed cases.

SYNTHYRIS.

(SINTH-uh-riss)
Scrophulariaceae. Native N. Amer perennials with basal leaves and wheel-shaped, 4-lobed fls in spikes or racemes; for border.

- Hendersonii.** **SYNT-3. 30¢**
Sky-blue fls, ¼" long; RG; 3 ft; HP.
- nova.** **SYNT-12. 50¢**
Blue fls; found at 10,000 ft; Utah; HP.
- Paysonii.** **SYNT-13. 50¢**
Alpine; found at 9,500 ft; Idaho.
- rubra.** **SYNT-22. 40¢**
White woolly leaves tinged red; (III); HP.

SYRINGA.

(sirr-RIN-guh)
Lilacs. Oleaceae.

- amurensis v. japonica.** **SYRI-2J. 35¢**
Manchurian Lilac. Oz. \$1.00.
- vulgaris.** **SYRI-32. 30¢**
Lilac. Seed saved from the best named varieties with some good reds. Oz. c. s. 50¢; lb. \$3.00.
- flore albo.** **SYRI-32F. 30¢**
Oz. 75¢; lb. \$7.00.

TABEUIA.

(tab-eh-BOO-yuh)
Bignoniaceae. Tropical evergreen trees and shrubs; they are very beautiful; thrives in rich soil; (X).

- pallida.** **TABE-4. 40¢**
Tree to 50 ft; fls 3" long; evergreen; (X); tropical.

TACCA.

(TAK-uh)

Taccaceae. Perennials from warm regions and grown in the N as GH plants; rich soil.

—**cristata.****TACC-3. 40¢**

GH plant; basal lvs, 2 ft. long, 6" wide; dark purple green.

TALINUM.

(tah-LY-num)

Flame Flower. Portulacaceae. Many small fleshy perennials with erect clusters of pink, red or yellow flowers. Some hardy, others grown in tubs indoors during the winter.

—**okanogense.****TALI-4. 40¢**

A wee plant $\frac{1}{2}$ " high, covered with $\frac{1}{4}$ " pearly fls; HP.

—**paniculatum.****TALI-5. 25¢**

Red to yellow fls in panicles; 2 ft; (IX).

TAMARINDUS.

(tam-ah-RIM-dus)

Tamarind. Leguminosae. Tropical evergreen trees grown in the far South for ornament; the fruits are edible and used in drinks. Best in deep rich soil with plenty of moisture.

—**indica.****TAMA-1. 40¢**

Tamarind. Tall tree; pale yellow fls. 1" across; (XI); germinate seeds with bottom heat.

TAMARIX.

(TAM-uh-ris)

Tamariaceae. Deciduous trees and evergreen trees and shrubs; heath-like lvs; will stand salt sprays; ornamental.

—**gallica.****TAMX-7. 30¢**

French Tamarisk. (V); cover seed lightly. Oz. 50¢; lb. \$2.00.

TANACETUM.

(tan-uh-SEET-um)

Tansy. Compositae. Annuals and perennials grown as a medicinay herb as well as ornament.

—**Balsamita.****CHRY-15. 25¢**

Old-fashioned herb; yellow daisy-like fls on 2-3 ft stems; young lvs in spring used in salads; has a minty flavor.

—**Herderi.****TANA-4. 40¢**

Tansy. An English type.

—**vulgare.****TANA-8. 25¢**

Common Tansy. Herb; 3 ft; HP.

TARCHONANTHUS.

(tar-sho-NAU-thus)

—**camphoratus v. litakunsis. TARC-1. 30¢**

Wild Sage. Shrub; masses of pale yellow fls; seeds in a cottony ball; very attractive; S. Rhodesia; (IX).

TAXODIUM.

(tax-OH-dee-um)

Bald Cypress. Taxodiaceae. Trees with needle-like leaves and fls in catkins. In the S sow seeds in December or very early spring or stratify in sand or peat for 30-60 days; mulch seed beds; germinates in 40-90 days.

—**distichum.****TAXO-2. 30¢**

Bald Cypress. (IV). Oz. 40¢; lb. \$3.00.

TAXUS.—**baccata.****TAXU-1. 30¢**

English Yew. Sow seed in spring.

—**pyramidalis.****TAXU-1P. 30¢**—**cuspidata.****TAXU-6. 30¢**

Japanese Yew. Oz. 90¢; lb. \$9.00, c. s.

TECOMA.

(tek-KOL-muh)

—**grandiflora:** see *Campsis grandiflora*.

—**radicans:** see *Campsis radicans*.

—**Smithii.****TECO-7. 35¢**

Australian shrub; (VI). Oz. 90¢.

—**stans:** see *Stenolobium stans*. Yellow Bells.

TACOMARIA.

(tek-oh-MAY-ree-uh)

Bignoniaceae. Partially climbing evergreen shrubs with fls in dense terminal racemes or panicles; (X).

—**capensis.****TECM-2. 40¢**

(*Bignonis* c.) Cape Honeysuckle. Fls orange-red, followed by fruits; (IX).

TECTONIA.—**grandis.****TECT-2. 40¢**

Teak. (X). 100 seeds \$3.00.

TELEKIA: see *Buphthalmum*.

TELOPEA.

Proteaceae. Australian ornamental shrubs; with red flowers in dense terminal head-like racemes; (IX).

—**speciosissima.****TELO-4. 25¢**

N. S. W. Waratah. 8 ft; fls in globular heads, 2" across; very ornamental.

TEMPLETONIA.

(temple-TOH-nee-uh)

Cocky's Comb or Red Bush.

—**refusa.****TEMP-12. 40¢**

W. Australia shrub with masses of red fls in winter and spring; 4-6 ft; GH; (X). 100 seeds \$2.00. Coral Bush.

TEPHROSIA

(Crocra) Leguminosae. Plants or shrubs with red, purple or white fls in racemes, followed by flat pods.

—**candida.****TEPH-1. 25¢**

Shrub to 10 ft; white fls 1" long; pods 4" long; India.

—**pubescens.****TEPH-4. 35¢**

S. Rhodesian species; (IX).

—**virginiana.****TEPH-7. 30¢**

Yellowish purple fls, $\frac{3}{4}$ " long; Me. to Fla;

HP.

—**vogalii.****TEPH-8. 30¢**

Oz. 75¢.

TERMINALIA.

(ter-min-NAY-lee-uh)

Indian Almond. Combretaceae. Pretty trees grown in the far South. Flowers are in racemes or spikes; easy.

—**calamansanii.****TERM-3. 50¢**

Evergreen shade tree of South Seas; (X).

TETRANEMA: see *Allophyton mexicanum*.

TETRAPANAX.

(tet-RA-pan-ax)

Araliaceae. Shrubs or small trees from warm regions;

—**papyrifera.****TETR-1. 25¢**

Grown in the South; fls in umbels.

TETRAPATHAEA.—**tetrandra.****TETP-1. 30¢**

Slender climber with grossy lvs; fls greenish yellow; orange fruits; very showy and useful; fr. edible and relished by Pheasants; N. Z.

THALICTRUM

Meadow Rue. Ranunculaceae. Perennials with flowers in panicles or racemes, without petals but with numerous drooping stamens. Some are very showy in masses in the border, others in the wild garden; easily grown, in well-drained loamy soil (thal-LIK-trum).

—**adiatifolium.****THAL-1. 25¢**

(*T. minus*) Greenish yellow; fine cut foliage; 18"; HP.

—**aquilegifolium.****THAL-5. 25¢**

Dainty and pretty; white fluffy or cream fls; 3 ft; HP.

- dipterocarpum.** **THAL-14. 25¢**
Rose-mauve with drooping golden stamens; 4 ft; HP.
—**flavum.** **THAL-17. 25¢**
Yellow with bright yellow stamens; 4 ft; HP.
—**foetidum.** **THAL-19. 25¢**
Nodding greenish red fls; 3 ft; HP.
—**polygamum.** **THAL-36. 25¢**
White fls; 8 ft; HP.
—**Mixed.** **THAL-X. 25¢**

THEA.

(THEE-ah)

Theaceae. Evergreen trees and shrubs with showy white or pink nodding flowers; hardy in the (IX) zone.

—**sisensis.****THEA-4. 25¢**

Tea. Shrub to 20 ft; lvs used for the tea of commerce; (IX).

THELESERMA.

(thel-ess-SPERM-uh)

Compositae. Some 10 species of American annuals and perennials, much like Coreopsis.

—**ambiguum.****THEL-1. 25¢**

Brown-Eyed-Susan. Fl-heads with broad yellow rays, 1½" long; purplish disks turning brown; Colo; HP. **Oz. 95¢.**

THELOCACTUS: see in list under **Cacti.**

THERMOPSIS.

(ther-MOP-siss)

Leguminosae. Easily grown perennials in open sunny positions; flowers are Lupin-like, in racemes. Sow seeds in the fall or spring over heat; useful in the border.

—**caroliniana.****THER-1. 25¢**

Yellow fls in erect terminal racemes; 5 ft; HHP.

—**lanceolata.****THER-5. 25¢**

Very hardy perennial; 1 ft; yellow fls in racemes.

THESPESIA.

...(thess-PEEZ-ee-uh)

Penny Cress. Malvaceae.

—**populnea.****THES-1. 30¢**

One of the "tree hibiscus" group; evergreen tree to 25 ft. bearing yellow hibiscus-like fls, turning purple by evening; resists salt spray; good street tree.

THEVETIA.

(thee-VEE-tee-ah)

Apocynaceae. Tropical trees and shrubs with large funnelform showy flowers in terminal cymes, followed by fruits, a fleshy drupe. Grown under glass in the North; will thrive in rich sandy soils.

—**peruviana alba.****THEV-1A. 25¢**

White Oleander. Tree to 30 ft; white fls; fragrant.

THLASPI.

(THLASP-ee)

Penny Cress. Cruciferae. Annuals and perennials, hardy in the North, with white, rose or purplish flowers; good RG plants; some have large flat ornamental pods; easy.

—**alpestre.****THLA-1. 25¢**

Tufted basal lvs; fls white, tinged red; 1 ft; HP.

—**densiflorum.****THLA-9. 25¢**—**praecox.****THLA-12. 25¢**

(Jankiae) White fls; 1 ft; basal lvs in rosettes; HP.

—**stylosum.****THLA-15. 25¢**

Rose fls in dense racemes; small alpine; H.P.

THRINAX argentea: see **Coccothrinax.**

THRYALLIS.

(thrye-AL-liss)

Malpighiaceae. Tropical shrub; can be grown in GH in North.

—**glauca.****THRY-3. 35¢**

(Galphimia) Everblooming in Australia; fls in clear yellow, in spires; really nice tropical shrub; (X).

THUJA

(THEW-juh) Arbor-Vitae, Cedar. Pinaceae. Germinate in shade with sand on moist material, as rotting wood, decayed moist material or peat; germination usually occurs during May or June; seed can be stratified 1-2 months in moist sand.

—**occidentalis.****THUJ-3. 25¢**—**aurea.****THUJ-3A. 25¢**—**orientalis.****THUJ-4. 25¢**—**aurea.****THUJ-4A. 25¢**—**compacta.****THUJ-4C. 25¢**

NOTE: We can supply most of the commercial species and varieties, in quantity lots; these will be listed in the next catalog which will be printed within 60 days or by January.

THUJOPSIS.

Hiba Arbor-Vitae. Pinaceae. Pyramidal evergreen trees to 50 ft, allied to Thuja; Japan.

—**dolabrata.****THUO-1. 50¢**

Ornamental; (IV). **Oz. 75¢; lb. \$5.50.**

THUNBERGIA.

(thun-BURJ-ee-ah)

Clock Vine. Acanthaceae. Tender climbers from tropical regions and grown in the GH to be set out doors during the summer; they can be planted out side in the South; start seeds early in February or March.

—**fragrans.****THUN-5. 25¢**

Slender climber for GH; white fragrant fls 2" across.

—**Gibsonii.****THUN-7. 25¢**

Twining; TP; from E. Af; orange fls 2" long; (X); GH.

THYMOPHYLLA.

(tye-moh-FILL-uh)

Dahlberg Daisy. Compositae. Low growing annuals and perennials from S. and C. Amer.

—**tenuiloba.****THPH-1. 25¢**

An excellent bedder; 1 ft; blooms in 4 months; full sun.

THYMUS

Thyme. Labiatae. Aromatic plants with a profusion of small flowers; they all like dry sunny locations and are easily grown from seed; they are liable to winter-kill in heavy soils.

—**mastachinus.****THYM-17. 40¢**—**Serpyllum.****THYM-23. 25¢**

Prostrate sub-shrub; purplish fls; HP.

—**lanuginosus.****THYM-23L. 25¢**—**vulgarus.****THYM-24. 25¢**

Common Thyme. Erect sub-shrub.

—**Broad-leaf Winter.****THYM-24B. 25¢**

Also called English Thyme.

TIARELLA.

(tye-uh-RELL-uh)

—**Wherryi.****TIAR-7. 50¢**

Blooms from spring to fall; white fls flushed pink; 10"; HP.

TIBOUCHINA.

(tib-oo-KYE-nuh)

Glory Bush. Melastomaceae. Tree-like shrubs of tropical Amer; grown in GH or in the South, standing probably to 30 ft.

—**bicolor.****TIBO-1. 50¢**

A very choice and rare species from Brazil; (X).

—**semidecandra.** **TIBO-8. 50¢**
(*Pleroma macranthum*) Purple fls 5" ac;
Brazil.

TILIA. (**TILL-ee-ah**)
Basswood, Linden, Lime. Tiliaceae. Sow
seeds in the fall or stratify; they thrive in
any soil as long as it does not dry out.

—**americana.** **TILI-1. 30¢**
American Linden. Tall tr. **Lb. \$1.80.**
—**cordata.** **TILI-4. 30¢**
Small Leaved Linden. Stratify seed in
in the fall; (*parvifolia*, *sylvestris*). **Oz. 90¢;**
lb. \$2.50.
—**europaea grandiflora.** **TILI-6. 30¢**
(*platyphyllos*) **Oz. 50¢; lb. \$1.20.**
—**platyphyllos.** **TILI-20. 30¢**
Large Leaf Linden. **Oz. 50¢; lb. \$2.00.**
—**tomentosa.** **TILI-21. 30¢**
White or Silver Linden; (*argentea*). **Oz.**
50¢; lb. \$1.75.

TINNEA. (**tin-NEE-ah**)
Labiateae. Herbaceous or somewhat woody
plants with whorls of 2-lipped tubular purple
flowers; tender in North.

—**abysinnica.** **TINN-1. 25¢**

TIPUANA. (**tip-yew-AN-ah**)
Tipu Tree. Leguminosae. S. Amer. trees
with showy flowers in panicles; ornamental
as well as the source for Rose-wood; (X).

—**Tipu.** **TIPO-1. 30¢**
(*speciosa*) Yellow fls followed by pods
3" long; 30 ft. **Oz. 90¢.**

TITHONIA

(**ti-THOH-nee-ah**) Mexican Sunflower.
Compositae. Robust growing plants from
Mexico; tender annuals; start seed early and
transplant out doors when frost danger has
passed.

ROTUNDIFOLIA: (*speciosa*)

—**TORCH.** **TITH-2T. 25¢**
The new G. M. Winner; orange-red fls;
3 ft; TA.
—**Fireball.** **TITH-2F. 25¢**
Brilliant scarlet flowers; 6 ft.
—**Orange Vermilion.** **TITH-2V. 25¢**
Glistening scarlet; flowers like large sing
le Dahlias.
—**Mixed.** **TITH-X. 20¢**

TOMATOES: Ornamental Kinds.

Small fruits with tough skin that dries
and does not decay; grown much like orna-
mental Peppers or Cherries. **TOM-1. 20¢**

TOFIELDIA.

Liliaceae. A genus of perennials with fib-
rous roots and small flowers in terminal
racemes.

—**calyculata.** **TOFI-2. 40¢**

TORENIA

(**toh-REEN-ee-uh**) Scrophulariaceae. Flor-
ida Pansies. Tropical perennials grown in
the GH or as annuals in the North; in Flor-
ida they are used as a substitute for Pansies.
The flowers are 2-lipped and much like Glox-
inias; shady place; rich soil.

—**Fournieri.** **TORE-4. 25¢**
Rich blue with golden centers; good for
pots or bedding; 9"; TP. $\frac{1}{2}$ **Oz. \$4.00.**
—**alba compacta.** **TORE-4A. 25¢**
Dense habit; white corolla, with yellow
blotch; 9"; TP. $\frac{1}{2}$ **Oz. \$4.00.**

TORREYA. (**TORR-ee-uh**)
Taxaceae. Evergreen trees native of N.
America and Asia; yew-like lvs; hardy to
(III); similar to *Taxus*.

—**nucifera.** **TORR-4. 50¢**
Japanese tree hardy in (IV) zone in
sheltered places; to 75 ft. **Lb. \$2.00.**

TOWNSENDIA. (**toun-SEN-dee-ah**)
Compositae. Biennials and perennials re-
sembling Asters very much; white, rose to
violet fls with rays; not commonly grown but
excellent for the rockery.

—**alpina.** **TOWN-1. 50¢**
Charming plant with narrow silvery lvs;
neat rosettes, each with an inch-wide daisy
in the middle; rare.

—**exscarpa.** **TOWN-2. 25¢**
Stemless, 1" tall; mauve with yellow
disk; RG; pretty; HP.

TRACHELIUM. (**trak-KEEL-ee-um**)
Campanulaceae. Throatwort. Perennials
form the Medit. region; blue or purplish fls
in dense terminal heads.

—**caeruleum.** **TRAH-3. 30¢**
Deep blue fls; like Valerian; GH in N;
(VI); 3 ft.

TRACHELOSPERMUM.
(**trak-el-oh-S P E R M-um**) Apocynaceae.
Twining evergreen vines hardy only in the S.

—**fragrans.** **TRAC-3. 25¢**
White fls; pods 9" long; tall climber; TP.
—**jasminoides.** **TRAC-4. 50¢**
Star or Confederate Jasmine. (IX); GH.

TRACHYCARPUS. (**trak-ik-KARP-us**)
—**Fortunei.** **TRAP-3. 35¢**
Windmill Palm. (VIII). **Oz. 70¢; lb. \$4.00.**
(*Chamaerops Excelsa*).

TRACHYMENE. (**trak-KIM-en-ee**)
—**caerulea.** **TRAH-1. 25¢**
(*Didiscus caerulea*) Blue Lace Flower;
2 ft; HA. While the flower is very pretty
it can become a weed in this climate and
when thru flowering should be cut.

TRADESCANTIA. (**trad-es-KANT-ee-ah**)
Spiderwort. Commelinaceae. Perennials
with blue, rose, purple and white flowers in
umbels; grown indoors or in hanging baskets
or they can be grown in the borders.

—**Beauty Blend.** **TRAD-X. 20¢**
Hardy species; 3 ft; HP.

TRICHOCEREUS. (**trik-oh-SEER-ee-us**)
(Cactaceae) S. Amer; erect or procumb-
ent; formerly in *Cereus*.

—**chiloensis.** **TRIC-9. 50¢**

TRICHOSANTHES. (**trik-os-ANTH-eez**)
Climbing Gourd. Fruit to 3 ft long, coil-
ed snake-like; male and female plants; warm,
sunny spots; try starting seed in small pots;
transplant in June.

—**Anguina.** **TRIS-1. 25¢**
Serpent, Snake or Club Gourd. Climber;
long fruits; interesting to children.

TRIFOLIUM. (**trye-FOH-lee-um**)
Clover. Leguminosae. Those listed have
ornamental value.

—**alpinum.** **TRIF-4. 25¢**
Red fls in loose heads; 4"; HP.

—**repens.** **TRIF-20. 20¢**
Shamrock. This and *Oxalis acetoselia*

said to be the true Irish Shamrock; HP.
 —**atropurpureum.** **TRIF-20P. 25¢**
 Deep bronze-red foliage with green margins; HP.

TRIGONELLA. (trye-gon-NELL-uh)
 —**coerulea.** **TRIG-3. 30¢**
 Blue and white fls; 2 ft; HA.
 —**foenum graecum.** **TRIG-6. 30¢**
 Common Fenngreek. Seeds of medicinal value; 2 ft; HA.

TRIOSTEUM.
 —**perfoliatum.** **TRIO-5. 25¢**
 Horse-Gentian, Tinker's Weed, Wild Coffee. Ornamental purple fls, $\frac{3}{4}$ " long; followed by orange-yellow fruits; (III); 2-4 ft; HP.

TRIPTERIS. (TRIP-ter-is)
 Compositae. S. Af. plants and shrubs, not hardy in the North; flowers are daisy-like both ray and disk flowers; plant early in the spring.

—**hyosceroides.** **TRIP-1. 25¢**
 Golden yellow fls with black disks; 2 ft; pretty; HA.

TRITOMIA: see **Kniphofia.** Red-Hot-Poker

TRITONIA. (trye-TOH-nee-uh)
 —**Mixed.** **TRIT-X. 25¢**
 Culture same as for *Gladiolus*; (IV).

TROLLIUS

Globe Flower. Ranunculaceae. Are nice spring flowering plants in the border if planted in a low moist place with some shade; colors are yellow or orange and in form Buttercup-like; easy to start.

—**albiflorus.** **TROL-2. 35¢**
 White fls, $1\frac{1}{2}$ " across; 1 ft; pretty; (III); HP.

—**europaeus.** **TROL-8. 50¢**
 Globe Flower. Lemon-yellow fls, 2" ac; 2 ft; HP.

—**Orange Princess.** **TROL-8P. 25¢**
 A pretty orange variety; 1 ft; HP. $\frac{1}{2}$ Oz.

—**Ledebouri.** **TROL-19. 25¢**
 Yellow fls; 2 ft; sunny spots in bog garden; HP.

—**patulus.** **TROL-19P. 25¢**
 Soft yellow fls; 2 ft; for the brookside; HP.

—**pumilus.** **TROL-20. 25¢**
 Golden King Cup. 5"; fls 1" across; easy; HP.

—**Trollius Mixed.** **TROL-X. 25¢**

TROPAEOLUM. (trop-PEE-ol-um)
 —**peregrinum.** **TROP-7. 25¢**
 Canary-Bird-Flower. A nice TA climber with canary-yellow fls, 1" across; 10 ft.

TSUGA.
 —**heterophylla.** **TSUG-8. 40¢**
 Western Hemlock. Oz. \$1.50; lb. \$14.00.
 —**Mertensiana.** **TSUG-10. 40¢**
 Mountain Hemlock. (Pettoniang); (II). Oz. \$4.00
 —**Sieboldii.** **THUG-13. 40¢**
 Branchlets glabrous; Japan. Oz. 80¢.

TULBERGIA.
 —**violacea.** **TULB-3. 25¢**
 From S. Af; 30".
 —**South Rhodesian species.** **TULB-5. 25¢**

Due to lack of space, the entire list of recommended garden books is not in this issue; if interested in them please write.

TULIPA

Tulip. Liliaceae. Growing Tulips from seed is interesting, especially so with the species which come true from seed; seed germinates slowly and their growing is a challenge.

—**Batavica.** **TULP-3. 25¢**
 Pale yellow; early; 6".

—**biflora.** **TULP-4. 25¢**
 RG species; star-like fls, white or yellow; 5 inches.

—**turkestanica.** **TULP-4T. 25¢**
 Larger leaves; 4-5 flowers to stem.

—**Clausiana v. chrysantha.** **TULP-9C. 25¢**
 Golden yellow vase-shaped fls; 6".

—**Fosterana.** **TULP-15. 25¢**
 Large crimson flowers; robust growth.

—**Kaufmanniana.** **TULP-25. 25¢**
 Beautiful; Water-lily-like; white, yellow and pink; 8".

—**Gaieiy.** **TULP-25G. 25¢**
 —**Kolpakowskiana.** **TULP-26. 25¢**

—**praesians.** **TULP-41. 25¢**
 Light red; Bokhara.

—**Iarda.** **TULP-52. 25¢**
 (dasystemon) Small; yellow fls.

—**Mixed.** **TULP-X. 25¢**

NOTE: We offer all Tulip species in bulbs which will be found in the Botanical Bulb List; either in this Catalog or in a separate booklet. Ask for it if interested.

TULIP TREE: see *Liriodendron*.

TUNICA. (TOO-nik-uh)

Tunic Flower. Caryophyllaceae. Herbaceous annuals and perennials similar to the *Dianthus* in growth but smaller; for edging or the rockery.

—**saxifraga.** **TUNI-2. 25¢**
 Tufted; spreading; pink fls; RG; HP. Oz. 90¢.

ULETEROSIDEROS.

—**tomentosa.** **ULET-12. 35¢**
 Blood-red fls; tree to 50 ft; N. Z.; (X).

ULEX.

—**europaeus.** **ULEX-1. 30¢**
 Grose, Whin. Sow in late spring; (VIII). Oz. 60¢; lb. \$4.50.

—**nanus.** **ULEX-3. 35¢**
 2 ft. Oz. 50¢.

ULMUS

—**americana.** **ULMS-2. 40¢**
 Water Elm. c. s. Lb. \$2.00. Fresh seed about June 1st.

—**glabra.** **ULMS-7. 25¢**
 (montana) Oz. 50¢; lb. \$2.00.

—**procera.** **ULMS-15. 35¢**
 English Elm. (campestris). Oz. 50¢; lb. \$1.25.

—**pumila.** **ULMS-20. 30¢**
 Dwarf Elm. Oz. 50¢; lb. \$2.00.

NOTE: Most Elm seeds ripen in May or June and quantity orders should be placed well in advance that the seed may be collected.

UNIOLA. (eu-NA-oh-lah)

Gramineae. N. Amer. perennial grasses with prominent 2-edged spikelets borne in panicles.

—**latifolia.** **UNIO-1. 25¢**
 A pretty border plant; 5 ft; HP.

URSINIA. (ur-SIN-ee-uh)

Compositae. S. Amer. annuals and perennials, the flowers Daisy-like, solitary or loose-

ly clustered; sow seeds early indoors or direct to soil; treat as an annual in the North.

—**anthemoides.** **URSN-3. 25¢**
Jewell-of-the-Veldt. Colors from lemon-yellow to orange, each with a purple zone around the center; RG; cuts; June-Sept; 15" HA. **Oz. \$1.20.**

—**calendulaeflora.** **URSN-4. 30¢**
Shaded orange-yellow; 15".

—**calendulae.** **URSN-5. 35¢**

—**cakillifolia.** **URSN-5. 25¢**

Yellow or orange.

—**pulchra compacta.** **URSN-7. 25¢**

Rich orange fls, 2" ac; rays purple; 2 ft; HA. $\frac{1}{2}$ **Oz. 90¢.**

—**Aurora.** **URSN-7A. 30¢**

Bright orange with a showy crimson zone. $\frac{1}{2}$ **Oz. 90¢.**

—**Mixed.** **URSN-X. 25¢**

URTICA.

Nettle. Urticaceae. Grown for medicinal properties; some for ornament.

—**dioica.** **URTI-3. 25¢**

Stinging Nettle. 4 ft; HP; medicinal.

—**nivea.** **URTI-5. 30¢**

VACCINIUM.

(vak-SIN-ee-um) Blueberry, Cranberry. Ericaceae. Hardy shrubs and trees grown for ornament or for their edible fruits and all thriving in rather acid soils of a peaty sandy nature. Sow the seed in the fall or stratify till spring.

—**angustifolium laevifolium.** **VACC-1A. 25¢**
(pennsylvanicum) 2 ft; (III).

—**alba.** **VACC-1LA. 30¢**

A white flowered form.

—**canadense.** **VACC-6. 30¢**

Deciduous; blue fruits; 1-2 ft; HSh.

—**corymbosum.** **VACC-7. 25¢**

Seed saved from large fruited varieties.

—**Myrtillus.** **VACC-18. 30¢**

Wortleberry. d.b. **Oz. 50¢; lb. \$2.50.**

—**Mixed.** **VACC-X. 25¢**

VALERIANA. (val-er-ee-AY-nuh)

Valerian. Valerianaceae. Perennials and shrubs with small white or rose flowers in cymes or spikes; very easy; nice in border; they are very fragrant.

—**officinalis.** **VAL-12X. 25¢**

Garden Heliotrope. Popular; pink, red, and white fls; 4 ft; HP.

—**White.** **VAL-12W. 25¢**

—**Red.** **VAL-12R. 25¢**

—**rubra:** see *Centranthus rubra*.

VALLOTA.

—**speciosa.** **VALL-1. 25¢**

S. Af. tender bulb; handle like Amaryllis; good indoor pot plant; GH.

VENIDIUM.

—**decurrens.** **VENI-2. 25¢**

Heads of golden yellow fls with dark centers; 2 ft; HHA.

—**hirsutum.** **VENI-6. 25¢**

Orange fls; 18"; HHA.

—**Variety.** **VENI-6V. 25¢**

Cream with black zone; 18"; HHA.

VERATRUM.

False Hellebore.. Liliaceae. Perennials with thick roots; easy; border or wild garden.

—**nigrum.** **VERA-5. 40¢**

Blackish purple fls in panicles; lvs 1 ft long, 8" wide; 4 ft; HP.

VERBASCUM. (ver-BASK-um)

Scrophulariaceae. Mostly tall hardy biennials; makes fine specimens in the back of

the border.

—**paniculata alba.** **VERS-18. 25¢**

—**phoeniceum hybrids.** **VERS-119. 25¢**

Purple and red fls in racemes; 4 ft; HP.

—**virgatum.** **VERS-32. 25¢**

—**Mixed.** **VEHS-X. 20¢**

VERBENA

(ver-BEE-nuh) Verbenaceae. Mainly perennials and highly prized for their profuse blooming; in the North they are grown as HA but in the far South as perennials; start indoors for early bloom; space 1 ft. apart; sunny places.

TEUCRIODES: Most of the popular garden varieties belong to this species. There are many new improved form developed in recent years.

—**Florist Dwarf Compact.** **VERB-IDC. 25¢**

NEW. Extremely uniform plants, dwarf and compact in habit, blooming 2-3 weeks earlier than regular strains. All plants produce blooms with eyes of bright contrasting shades, giving a harmonizing color combination of eyed kinds; many colors not found in other strains. It has special value for Florist use and flat growers, as it kill produce flowers in the flat; good also for pots and bedding. **Oz. \$4.00.**

—**SPARKLE.** **VERB-1S. 25¢**

NEW. An entirely new class of Verbena; habit is dwarf and compact and completely eliminates the open or bare spots that develop in the centers of plants of the regular strains. SPARKLE is the sharpest color yet offered in Verbenas—a bright scarlet-red, greatly intensified by a large gleaming white eye. **Oz. \$5.00.**

—**Spreading Type.** **VERB-ISX. 20¢**

Mammoth fls on spreading type plants. Mixed colors.

—**Floradale Beauty.** **VERB-1F. 25¢**

Rose shades; extra large flowers. $\frac{1}{2}$ **Oz. \$1.50.**

—**Hybrida grandiflora.** **VERB-1B. 20¢**

New bush type. New brilliant blend of colors; dense flat heads, closely massed across the flat-topped plants; 8-10".

OTHER SPECIES:

—**bipinnatifida.** **VERB-2. 25¢**

Lilac-purple fls in loose clusters; showy; HP.

—**bonariensis.** **VERB-3. 25¢**

Lilac fls in dense spikes; 4 ft; HA.

—**canadensis v. compacta.** **VERB-5C. 25¢**

Large fls; grow as annual; mixed colors.

—**hasitata.** **VERB-10. 25¢**

Blue Vervain. Many 6" spikes of small blue fls, late in summer; 5 ft; HP.

—**lacinata.** **VERB-21. 25¢**

Violet fls in short clover-like heads; grow as an annual.

VERBESINA. (ver-bes-SYE-nuh)

Compositae. Amer. plants and shrubs with yellow, orange or white flowers; solitary or in panicked heads.

—**enceliodes.** **VEBE-3. 25¢**

Golden yellow rays, 2" across; TA:

VERNONIA. (ver-NOH-nee-uh)

Ironweed. Compositae. Herbaceous perennials in the N and trees and shrubs in the South; flowers are showy and in purple, pink or white heads of disk flowers, in terminal clusters. They bloom late in the summer

and autumn; border or wild garden.

- altissima.** **VERN-1.** 25¢
Purple heads $\frac{1}{2}$ " across; 10 ft; (IV); HP.
- gerberae-foryis.** **VERN-5.** 30¢
Large purple-blue Cornflowers; S. Rhod.
- glabra.** **VERN-6.** 25¢
Deep blue; 1-2 ft; good for cutting; So. Rhodesia; TP.
- melleri.** **VERN-12.** 25¢
Sky-blue fls; large plant; TP; S. Rhod.

VERONICA.

(ver-RON-ik-uh) Speedwell. Scrophularaceae. Annuals and perennials popular in the rockery or border; hardy, free flowering and thriving in a sunny or light shady spot; easy.

- Chamaedrys.** **VERO-25.** 25¢
Germander Speedwell. Blue fls; 18".
- fruticans.** **VERO-33.** 25¢
Blue fls on short racemes; shrubby; 6"; HP.

- Guthrieana.** **VERO-44.** 30¢
Neat evergreen with blue fls; 9"; HP.

- incana.** **VERO-40.** 30¢
Blue fls in racemes; 6" long; 2 ft; Russia.

- rupestris rosea.** **VERO-79.** 25¢
Neat pink carpet; 2"; HP.

- spicata, Mixed.** **VERO-85.** 20¢
Blue, reds, pinks and white; 18"; HP.

- Blue Shades.** **VERO-80B.** 25¢
—**spuria.** **VERO-72.** 40¢
(paniculata, amethystiana) Blue fls in panicled racemes; 2 ft; HP.

- Dwarf Varieties.** **VERO-80DX.** 25¢

VERTICORDIA.

- niteus.**

VERT-12. 40¢

VESCARIA.

- gracea.** **VESI-2.** 30¢
Bladder-pod. Yellow fls; inflated pods; (VI); HP.

- utriculata.** **VESI-6.** 40¢
 $\frac{1}{2}$ ft; HP.

VELTHEIMIA.

(velth-EYE-mee-uh)

- veridifolia.** **VELT-4.** 25¢
African bulbous plant; fls yellow tinged red; $\frac{1}{2}$ ft; TBb.

VIRBURNUM

(vy-BURN-um) Snowball. Caprifoliaceae. One of the most popular ornamental shrubs. They also make excellent refuge for birds as well as food during the winter, all kinds of wild-life relish their berries. Seed can be planted in the fall in border lands or edges of woods or stratify them for spring planting; they germinate readily.

- acerifolium.** **VIB-1.** 25¢
Maple-leaf V. White fls in cymes in the spring, followed by purplish black fruits; foliage turns reddish in fall; HSh.

- cassinoides.** **VIB-13.** 30¢
White-rod. White fls in cymes 5" across; June-July; fruits bluish black; (III); 12 ft.

- dentatum.** **VIB-20.** 25¢
Arrow-wood. White fls on long stemmed cymes; (III); 15 ft.

- dilatatum.** **VIB-21.** 30¢
White fls; heads 5" across; fruits scarlet; 10 ft; Japan. **Oz.** 65¢; **lb.** \$4.00.

- fragrans.** **VIB-25.** 25¢
White or pink fragrant fls in panicles, 2" long; black fruits; 10 ft.

- Lantana.** **VIB-56.** 25¢
Wayfaring Tree. Sow seed in fall or early spring. **c.s.** **Oz.** 50¢; **lb.** \$2.60.

- nervosum.** **VIB-43.** 30¢
Himalayan species.

- odoratissimum.** **VIB-46.** 30¢
White fragrant fls; red fruits turning

- black; 10 ft; evergreen. **Oz.** 70¢; **lb.** \$4.50.

- opulus.** **VIB-47.** 25¢
Cranberry-bush. **c.s.** **Oz.** 75¢; **lb.** \$4.00.

- plicatum v. tomentosum.** **VIB-50T.** 25¢
White fls in cymes 4" across; Japan; 10 ft. **Oz.** 60¢; **lb.** \$4.00.

- rhytidophyllum.** **VIB-56.** 25¢
Yellowish white fls; China; 10 ft. **d.b.** **Oz.** 75¢; **lb.** \$5.00.

- Sargentii.** **VIB-60.** 30¢
Fowers in 4" cymes; scarlet fruits; 12 ft. **Oz.** 60¢; **lb.** \$4.50.

- Sieboldii.** **VIB-65.** 30¢
Creamy white fls in panicles, 4" long; 10 ft; Japan. **Oz.** 60¢; **lb.** \$5.00.

- Tinus.** **VIB-68.** 35¢
Laurestinus. 10 ft; evergreen; pinkish fls in cymes, 3" ac; good for GH. **Oz.** 50¢; **lb.** \$1.50.

- trifolium.** **VIB-69.** 30¢
—**Wrightii.** **VIB-77.** 30¢
White fls in cymes, 4" across; Japan; 10 ft. **Oz.** 60¢; **lb.** \$4.50.

- Mixed.** **VIB-X.** 25¢

VIDORELLA.

(vid-o-RELL-ah)

Seeds from South Rhodesia.

- residifolia.** **VIDO-1.** 25¢
Small bright yellow globular fl-heads; (X).

VIGNA.

(Catiang) Vine-like; (X); grow as an annual. **Oz.** \$1.00.

VINCA.

Erect or trailing plants; useful for ground cover or in vases or hanging baskets; thrives in moist shady places.

- rosea, Mixed Colors** **VINC-4X.** 25¢
Sow seeds early in a warm place; a popular vine grown in GH for vase and window-box work.

- Pure White.** **VINC-4W.** 25¢

- Crimson.** **VINC-4C.** 25¢

- White with Pink Eye.** **VINC-4B.** 25¢

- Soft Pink.** **VINC-4P.** 25¢

- Rose.** **VINC-4R.** 25¢

VIOLA

(vye-OL-uh) Violet. Violaceae. The genus contains many attractive herbaceous perennials and a few annuals. The Violet and Pansy are the two most popular, both thriving in a rich soil and partial shade. During winter they require a mulch of leaves. The germination of Violet seed is different from Pansies; and the most successful results will be had by sowing Viola seed in flats in the fall and leaving them out all winter in the snow, when they germinate the first thing in the spring.

VIOLA CORNUTA: Horned Violets. More or less tufted Violets. They come in many varieties, of which, the best and most popular are listed here. They do best in partial shade, rich moist soil and where it does not dry out during the summer.

- Admiration.** **VIOL-1D.** 25¢

- Arkwright Ruby.** **VIOL-1A.** 25¢
Rich crimson with dark eye

- Bicolor.** **VIOL-1B.** 25¢
Light violet-blue; very pretty.

- Blue Gem.** **VIOL-1BG.** 25¢
Jersey Gem. Compact violet-blue.

- Chantreyland.** **VIOL-1C.** 25¢
Pure apricot; free flowering.

- Jersey Gem.** **VIOL-1JG.** 25¢

- White Gem.** **VIOL-1W.** 25¢
Pure white; extra.

- ilona**. **VIOL-1L. 25¢**
A fine wine-red.
—**King Henry**. **VIOL-1H. 25¢**
Deep violet with a heavenly-blue center, bright eye.
—**Lord Nelson**. **VIOL-1N. 25¢**
A large flowered violet-purple.
—**Lutea splendens**. **VIOL-1S. 25¢**
Deep golden yellow.
—**lutea**. **VIOL-1SL. 25¢**
A yellow variety.
—**papillo**. **VIOL-1P. 25¢**
Light blue with white spots.
—**Purple Bedder**. **VIOL-1PB. 25¢**
A new English variety.
—**Scotch Strain**. **VIOL-1SX. 25¢**
Nekest and best hybrids, mixed colors.
—**Thuringia**. **VIOL-1T. 25¢**
Dark blue with white eye.
—**Gem Varieties Mixed**. **VIOL-1GX. 25¢**
A compact growing strain.
—**Blend of Above Varieties**. **VIOL-1X. 25¢**

VIOLA SPECIES: It is probable that we may be short on some of these as the supply of seed is very uncertain and at time of printing the crop is not known.

- adunca**. **VIOL-2. 35¢**
Very hardy woodland Violet; violet; 4".
—**aetolica saxatilis**. **VIOL-3. 35¢**
Tiny and dainty; soft yellow fls; 2"; sun.
—**arenaria rosea**. **VIOL-9. 35¢**
(rupestris) Pale violet or white; 3"; HP.
—**bellidifolia**. **VIOL-15. 35¢**
Dwarf matted; violet or purple fls; 3".
—**Douglasii**. **VIOL-34. 35¢**
Orange-yellow, veined purple; gritty soil; 4"; Calif.
—**gracilis major**. **VIOL-49. 35¢**
Violet fls; 1 ft; Macedonia.
—**Hallii**. **VIOL-53. 35¢**
Upper petals dark violet; lower white; 4".
—**nigra, Black Imp**. **VIOL-79. 35¢**
Quaint little Pansies; black velvet, small eye.
—**papillonacea**. **VIOL-90. 35¢**
Canadian Violet. Bright blue fls.
—**parviflora**. **VIOL-9. 30¢**
—**purpurea**. **VIOL-102. 35¢**
Pink violet; Calif.
—**saxatilis, Dawnside** **VIOL-114D. 35¢**
Johnny-Jump-Ups. This is an exceptional strain and it is very popular; best grown as an annual.
—**sempervirens**. **VIOL-116. 35¢**
(sarmentosa) Yellow fls; decumbent.
—**yakusimana**. **VIOL-143. 50¢**
Minute habit with tiny purple and white Pansies; HP.
—**Mixed Species**. **VIOL-SX. 30¢**

VIRGILIA.

Leguminosae. Trees native of S. Af. grown in the South.

—**lutea**: see *Cladrastis*.

VITEX.

- Agnus-caste**. **VITE-1. 30¢**
Chaste Tree, Hemp Tree, Monk's Pepper Tree. **Oz. 50¢; lb. \$2.00.**
—**alba**. **VITE-1A. 30¢**
Oz. 50¢; lb. \$2.40.
—**lucens**. **VITE-6. 30¢**
Pretty tree; pink fls followed by red berries; glossy foliage; (X).
—**Mixed**. **VITE-X. 25¢**

VITTADINIA.

Compositae. Similiar to *Erigeron* but native of N. Z., Australia and S. Amer; thick root-stocks; blue or white ray-fls and yellow disks; perennial; (IX).

- australis**. **VITT-1. 30¢**
(trilobata) Fls with white rays.

VIRGINIA STOCKS: see *Malcomia*.

Viscaria: see *Lychnis*.

WACHENDORFIA.

Haemodoraceae. Tuberous rooted S. Af. plants related to *Lachnanthes*; fls in panicles.

—**thyrsoiflora**. **WACH-1. 25¢**

Yellow fls; 4 ft; damp places; S. Af.

WAHLENBERGIA.

- albo-marginata**. **WAHL-1. 30¢**
Erect blue or white bell-shaped fls; 8"; HP.
—**grandiflora**: see *Platycodon grandiflorum*.

WALLFLOWER: see *Cheiranthus cheiri*.

WASHINGTONIA.

- filifera**. **WASH-1. 50¢**
Large Palm tree; (IX).
—**robusta**. **WASH-2. 50¢**
(sonoroe); (VIII). 100 seeds \$4.00.

WATSONIA.

- Beatrica**. **WAT-3. 25¢**
Rich apricot-red; 3 ft; Af. bulb; (IX).
—**Van Siaveren's Strain** **WAT-9V. 25¢**
Evergreen foliage; 5 ft; many colors; (IX)
—**veriana**. **WAT-19. 30¢**
 $\frac{1}{4}$ Oz. \$1.50.

WEIGELIA.

- florida**. **WEIG-9. 30¢**
(rosea) **Oz. 90¢; lb. \$12.00.**

WEINMANNIA.

- Cunoniaceae. Trees and shrubs from the S. Hemisphere; ornamental; (V).
—**racemosa**. **WEIN-9. 50¢**
Tree; 80 ft; small pink or white fls in 4" racemes; (X); N. Z.

WIGANDIA.

- caracasana**. **WIGA-1. 30¢**
Sub-shrub; 10 ft; pretty; (X). **Oz. \$3.00.**
—**urens**. **WIGA-5. 25¢**
Violet fls; leaves heart-shaped, 1 ft. long.
—**macrophylla**. **WIGA-1M. 40¢**
With good culture, leaves are 1½ ft wide and 3 ft. long; tropical effect; blue fls; 13 ft; (IX).

WISTERIA.

- floribunda v. macrobotrys**. **WIST-2M. 40¢**
Japanese Wisteria. Racemes 3 ft long.
—**alba**. **WIST-2A. 40¢**
—**frutescens**. **WIST-3. 30¢**
Hardy in N; (IV). **Oz. 50¢; lb. \$3.50.**
—**sinensis**. **WIST-9. 40¢**
Oz. 75¢; lb. \$4.00.
—**alba**. **WIST-9A. 40¢**

WOODFORDIA.

(wood-FOR-de-ah)

- fruticosa**. **WOOF-1. 40¢**
Small red fls; Indian tree of Crape Myrtle Family; (X).

WORMWOOD: see *Artemisia Absinthium*.

WULFENDIA.

- carinthiaca**. **WULF-1. 40¢**
Hardy low perennial; blue tubular fls.
—**alba**. **WULF-1F. 40¢**

XANTHISMA.

(zanth-IS-mah)

Compositae. Annuals and perennials, native of Texas; solitary heads of yellow fls for ive of Texas; solitary heads of yellow fls; good in border as well as for cutting.

—**texanum.** **ZANT-1.** 25¢
Star of Texas. Heads 2" across; 4 ft; TA.

XANTHOCERAS.

—**sorbifolia.** **XANT-1.** 40¢
Ornamental shrub; 15 ft; stratify seed best; (IV). 100 seeds \$2.00.

XERANTHEMUM.

(zeer-ANTH-em-um) Immartelle. Compositae. Easily grown annual everlasting fls with solitary heads of disk flowers. They are good as cut flowers and very popular for dried flowers; sow seeds early in spring.

—**annuum, Mixed.** **XERN-IDX.** 20¢
Double flowers; 3 ft.

—**Purple.** **XERN-IDP.** 20¢

—**Rose.** **XERN-IDR.** 20¢

—**White.** **XERN-IDW.** 20¢
Any above: Oz. 60¢; lb. \$5.00.

XEROPHYLLUM.

Liliaceae. Turkey-Beard. Nice perennial for the wild garden; fls in dense terminal racemes.

—**asphodeloides.** **XERA-1.** 35¢
Grass-like foliage; spikes 4 ft, topped by white stars; cuts well; best to sow fresh seed in mid-August, germinates in the following spring.

—**tenax.** **XERA-5.** 35¢
Flowers in 2 ft. racemes; 5 ft; (IX); wild garden.

—**Double Mixed.** **XERA-DX.** 25¢

YUCCA.

(YUK-uh) Adams Needle, Spanish Bayonet, Joshua Tree. Liliaceae. Suitable for bold effect in the border or for specimen plants on the lawn; easily grown from seed.

—**aloifolia.** **YUCC-1.** 25¢
Spanish Bayonet. (VIII). Oz. 60¢.

—**brevifolia.** **YUCC-6.** 25¢
Joshua Tree. 30 ft; (VIII).

—**filamentosa:** see **Smalliana.**

—**glauca.** **YUCC-14.** 30¢
Small S. Bayonet. Leaves 3 ft; 6 ft; (IV). Oz. \$1.00

—**gloriosa.** **YUCC-15.** 25¢
Greenish white to reddish fls; lvs 2½ ft; fls to 8 ft; HHP.

—**mohavensis.** **YUCC-20.** 25¢
Mojave Yucca. Purple-white fls; 10 ft.

—**Smalliana.** **YUCC-25.** 25¢
Adams Needle. White fls; 12 ft; (IV).

—**Mixed.** **YUCC-X.** 20¢

ZANTEDESCHIA.

—**aethiopica.** **ZAND-2.** 30¢
Common Calla Lily. Oz. \$4.00.

—**Godefreyana.** **ZAND-2G.** 25¢
Smaller and more profused bloomer.

—**Pearl of Stuttgart.** **ZAND-2S.** 50¢
Large flowered type.

—**Rehmannii.** **ZAND-5.** 25¢
Red Calla. Dwarf. Oz. 50¢.

ZANTHOXYLUM.

—**americanum.** **ZANH-1.** 35¢
c.s. Oz. 75¢; lb. \$4.00.

ZEA: see under **Corn.**

ZELKOVA.

Ulmaceae. Deciduous Elm-like trees and shrubs; hardy in the North.

—**carpinifolia.** **ZELK-3.** 35¢
(Z. crenata, Planera crenata) Caucasus; 80 ft.

—**serrata.** **ZELK-6.** 50¢
(Keaki).

ZEPHRANTHES Andersonii: **Habranthus**

ZIGADEMUS.

—**gramineus.** **ZIG-1.** 25¢
Nice for the wild garden; 1 ft; fls in racemes; (I); HP.

ZINGIBER.

—**officinalis.** (ZIN-jib-er) **ZING-3.** \$1.00
Common Ginger. Rhizomes furnished.

ZINNIA

(ZINN-ee-uh) (Crasima) Compositae. A genus of some 10 species of which Z. elegans is our popular garden Zinnia; they are TA and may be started indoors for early flowering; a little pinching back will form better shaped plants; striking effect in the border or they can be used for cut flowers. when it will be best to grow them in the vegetable garden.

DAHLIA FLOWERED: The plants in this type are 2½-3 ft with large Dahlia-like blooms; they are especially good for beds.

—**Canary Bird.** **ZIN-1C.** 20¢
Rich canary yellow color.

—**Crimson Monarch.** **ZIN-1S.** 20¢
Large showy deep crimson.

—**Dream.** **ZIN-1D.** 20¢
Most unusual rosy lavender.

—**Exquisite.** **ZIN-1E.** 20¢
Light rose with a deep rose center.

—**Illumination.** **ZIN-1N.** 20¢
Deep rose self; extra good.

—**Golden Dawn.** **ZIN-1G.** 20¢
Rich golden yellow.

—**Golden States.** **ZIN-1T.** 20¢
A beautiful golden yellow.

—**Luminosa.** **ZIN-1L.** 20¢
A large luminous bright pink.

—**Meteor.** **ZIN-1M.** 20¢
A rich red, the darkest of the reds.

—**Oriole.** **ZIN-1K.** 20¢
A very popular orange.

—**Polar Bear.** **ZIN-1W.** 20¢
Large creamy white.

—**Royal Purple.** **ZIN-1R.** 20¢
Best of the rich purples.

—**Will Rogers.** **ZIN-1WR.** 20¢
Lovely brilliant scarlet-red.

—**Mixed Dahlia-flowered.** **ZIN-1X.** 20¢
Any of Above: Oz. 70¢; lb. \$6.00.

GIANTS OF CALIFORNIA: Plants are 3-4 high and the flowers are large flat heads on long stems; they are excellent for cut flowers as well as for bedding.

—**Brightness.** **ZIN-2B.** 20¢
A nice bright pink.

—**Cherry Queen.** **ZIN-2R.** 20¢
Brilliant cherr-red; showy.

—**Crimson Queen.** **ZIN-2E.** 20¢
Deep crimson.

—**Golden Queen.** **ZIN-2P.** 20¢
A real rich golden yellow.

—**Grenadier.** **ZIN-2G.** 20¢
A rich dark red.

—**Lavender Queen.** **ZIN-2L.** 20¢
Deep rosy lavender.

—**Miss Willmott.** **ZIN-2M.** 20¢
Large soft rich pink.

—**Orange King.** **ZIN-2K.** 20¢
—**Orange Queen.** **ZIN-2R.** 20¢
Deep golden orange.

—**Purity.** **ZIN-2W.** 20¢
Best white.

—**Rose Queen.** **ZIN-2Z.** 20¢
Striking deep rose.

—**Scarlet Queen.** **ZIN-2S.** 20¢
Glowing deep scarlet.

—**Mixed Giants of California** **ZIN-2X.** 20¢
Any of Above: Oz. 70¢; lb. \$6.00.

FANTASY TYPE: Petals are long, curved and pointed, resembling those of the night flowering Cactus; 4" across and 2" deep. plants 2½-3 ft.

- Gold Dust.** ZIN-3G. 20¢
Pretty golden orange.
- Melody.** ZIN-3M. 20¢
Orchid-lavender.
- Orange Lady.** ZIN-3L. 20¢
Bright deep orange.
- Star Dust.** ZIN-3SD. 20¢
Beautiful canary yellow.
- White Light.** ZIN-3WL. 20¢
Best pure white.
- Fantasy Mixed.** ZIN-3X. 20¢

HARMONY or SCABIOUS TYPE: Plants 2½-3 ft, bearing numerous medium sized flowers resembling annual Scabiosa or Harmony Marigold. They have long stems and make excellent cut flowers.

- Finest Mixed.** ZIN-4X. 20¢

PUMILA TYPE: Dwarf double or Cut-and-Come-Again. Comes in the best pastel shades; 2-3 inches across, round in shape and on good length stems for cutting. blooming in 50 days.

- Sunshine Tints.** ZIN-6T. 20¢
A rich blend in pastel colors.

PEPPERMINT STICK: A new medium sized Pumila-type flowered Zinnia with the petals striped in various color combinations such as red and white; red and yellow; purple and white; carmine and white; and orange and yellow; about 70% striped flowers.

- Best Mixed** ZIN-7X. 20¢

SUPER GIANT HYBRIDS: Extremely large flowered type.

- Floradale Scarlet.** ZIN-8F. 25¢
A uniform scarlet. Cactus type blooms; slightly smaller than Dahlia-flowered; 2-2½ ft; blooms 5-6 inches across. Oz. \$1.75.

- Burpee Giant Hybrids.** ZIN-8B. 25¢
This is a comparatively new class of Zinnias. The blooms immense and Cactus-type. Sturdy; blooms 6½-inches across and in a full color range without a harsh color. Oz. \$1.75.

- Riverside Beauty.** ZIN-8R. 25¢
A new Cactus-type Zinnia with flowers 5-6 inches across; a warm luminous azalea-pink. Oz. \$1.75.

- Burpee Super Giants Mixed.** ZIN-8S. 25¢
An improved type; extra large blooms, 5-6 inches across of the California Giant type; colors tend toward pastel shades. Oz. \$1.75.

- Summer Boy.** ZIN-8M. 25¢
Rich buttercup-yellow. ½ Oz. 80¢.
- Eskimo.** ZIN-8E. 25¢
Beautiful creamy white. ½ Oz. 80¢.

-
- BLAZE.** ZIN-8Z. 25¢
A new color in the Cactus flowered type; bursts into bloom with a profusion of brilliant mandarin-red flowers and, as the flowers attain size, change to an exciting fiery orange-scarlet.
-

EARLY WONDER TYPE: Earliest of all Zinnias and especially good for short season sections. Plant 18-24", basal branching with many 3-4 inch flowers on long wiry stems having no laterals and almost no leaves.

- Fandango.** ZIN-9F. 20¢

Salmon-cerice-pink.

- Fiesta.** ZIN-9E. 25¢
The darkest red.
- Gypsy.** ZIN-9G. 25¢
Shades of deep orange.
- Padre.** ZIN-9P. 25¢
Bright scarlet.
- Rose-pink.** ZIN-9RP. 25¢
- Mixed.** ZIN-9X. 20¢

LILLIPUT or POM POM TYPE: The Lilliputs are among the most popular Zinnias for cut flowers; the blooms are small, compact, symmetrical and on strong plants, 20" high.

- Black Ruby.** ZIN-10B. 20¢
Blackish red flowers.
- Canary Gem.** ZIN-10C. 20¢
Clear canary yellow.
- Crimson Gem.** ZIN-10R. 20¢
- Dainty Gem.** ZIN-10D. 20¢
A dainty bicolor rose.
- Golden Gem.** ZIN-10GG. 20¢
Golden orange.
- Lilac Gem.** ZIN-10L. 20¢
- Purple Gem.** ZIN-10PG. 20¢
- Rosebud.** ZIN-10R. 20¢
Lovely soft rose.
- Scarlet Gem.** ZIN-10. 20¢
- Mixed.** ZIN-10X. 20¢
Any Above: Oz. 80¢; lb. \$7.00.

CUPID ZINNIAS: Dwarf compact little plants bearing quantities of button-like flowers smaller than the Lilliput type; for edging or pots.

- Goblin.** ZIN-11G. 20¢
Burnt orange; an unusual color.

ZINNIA SPECIES:

-
- signata, LULA.** ZIN-16L. 35¢
The first lemon-yellow in this species; extra good plant for bedding or edging; compact domed-shaped plants, covered all summer with flowers and way into the autumn; 1 ft; HHA.
-

- gracillima.** ZIN-13G. 20¢
Miniature deep scarlet flowers; 18-24".
- Red Riding Hood.** ZIN-13R. 20¢
Brilliant double red fls; very showy.
- linearis.** ZIN-14. 20¢
Single, orange striped petals; lasts well when cut; 10 inches high.

- Haageana.** ZIN-15. 20¢
Zinniettes. Small double fls varied and variegated; wide color combinations; nice in an old-fashioned garden and miniature bouquets.

- Persian Carpet.** XIN-15P. 25¢
A brilliant mixture of 1¼" fully double Haageana type flowers on 12" compact plants; the flowers are variegated and usually bicolor combinations, ranging from yellow to deep orange. This miniature Zinnia is ideal for border or bedding, producing a multitude of flowers suitable for small table bouquets. Oz. \$3.00.

ZIZIPHUS.

- chinensis.** ZIZI-2. 30¢
- Jujuba.** ZIZI-1. 30¢
Varieties mixed; (vulgaris). c.s. Oz. 75¢; lb. \$3.50.

In order to get the additional new seeds listed in these 128 pages we have had to cut out pictures.....The next issue, out in January, will be larger and contain many new seeds as well as more cultural information.....The paper alone in this issue costs nearly 9¢; envelope, 1¢; postage 6½¢ or practically 17¢! The type setting alone costs more!.....Thaus the 25¢ charge.

CULTURAL DIRECTIONS

In using the following cultural directions, judgement must be used; one can not even give exact directions for a species for many things enter into each grower's work. I will make corrections and additions in each issue following and I invite my reader's suggestions as a great many will have valuable information.

Light or darkness for the germinating seed is of considerable importance in many species. Temperature is another important matter; the letter **W** means 60 degrees F. or above while **C** means 50 degrees. In special cases mention will be made in the text. **L** means the seed should not be shaded or covered with paper; **D** means to keep seed pans in a dark part of the room or cover with paper, etc. Thus **LC**, **DC**, **LW** and **DW** will be used. **FG** means germination will be best if the (moist) seed is subjected to a freezing temperature for a short period; thawing and freezing.

1. Plant direct to open ground about the middle of April; sow thinly; keep moist cover lightly and press soil lightly.
2. Sow direct to garden, April-May or Sept; not too thick; thin.
3. Sow in pans or pots, indoors, during April; warm, dry locations; rich soil; best sheltered from rains; do not wet leaves.
4. Start indoors in 4" pots in April or out side in late May; soak seeds in warm water for 24 hours; warm sunny places.
6. 5-8 seeds can be planted in 3" or 4" pots and place in an airy cold frame; do not water too much; also sow direct to permanent location during late March; keep flowers picked to prevent seed forming.
7. Sow in warm bed or indoors in March or April and after thinning or transplanting once, set out doors in late May; or they can be planted direct to garden in April or May.
8. Start in pots indoors or frost proof frame, during March-April transplanting to garden in late May.
9. Start indoors in February-March in warm place and transplant to pots; set outdoors after danger of frost has passed.
10. Sow January-April, indoors in cool place; transplant two times and set out doors middle of May; can be started in August-September and carried over in cold frame for bloom in May.
11. Start indoors in warm place; cover lightly; plenty of air; water carefully; transplant to the open ground in late May; can be planted to open ground in late April.
12. Start during January or February in a warm place; rich soil; water carefully and thin; transplant out doors after danger of frost has passed.
13. Start seeds as early as December and up into March; careful in watering; transplant to flats and later to pots, setting to garden early May; pinch side buds for large flowers; plants lifted before frost can be grown on indoors for winter bloom.
14. Start during January in pots of a sandy soil containing leaf mould; cover with glass and water regularly; keep above 60 degrees F; germinates in 10 days when they should be kept cooler; transplant 1" apart in 1/2 leaf mould and rich compost; regular soil mixture should be equal parts good compost, leaf mould and good sod to which some sand, peat can be added; repot not later than first of Sept; prefers light places, sheltered from weather.
15. Plant in May in cold frame; transplant outside 6" apart and repot during Sept. in a rich soil; do not over-water during winter; keep in frost-free frame during winter.
16. Start in cold frame during April or during August in cold frame and winter over for bloom in May.
17. Start during February or March in seed pans, indoors; cover lightly and water from below; transplant to flats and eventually to pots and harden-off by frequent airing; transplant out doors after danger of frost has passed.
18. Start first of April in sandy leaf mould and compost soil; water carefully; pot when ready; light shade; these plants will not stand any frost.
19. Sow seed late in Sept. or early Oct. in pans, in cold frame; thin and pot; grow close to glass; they make pretty plants for Mother's Day sales.
21. Start in March-April, indoors or plant out doors in April-May; cover 1"; press seed down firmly and cover well.
22. Start January-April in a rich fibrous, sandy soil; water carefully; keep warm; thin and eventually pot.
23. Start from May-August in flats or pans; as these vary much in germination taking as much as a month or so; keep moist; half shade will help; when seedlings have developed transplant to flats and to pots, if wanted; if strong enough they can be set out in their permanent location.
24. These require freezing; seed should be moist; sow in late fall or during winter or if in container, set outside; protect from mice; seeds in containers can be taken indoors in early spring, where they will germinate if given a warm place; transplant them early.
25. These are to be started according to time of bloom wanted which usually takes 4-5 months; sow October-January in a warm house in light compost; grow seedlings close to glass; pot in a rich compost; double blooms usually from the strong seedlings while singles come from the weak ones.
26. Soak seeds in warm water for 24 hours; start from January to August; seed

can be planted in pots; soil, leaf mould, rotted manure, peat moss and sand; cover seed pans with glass and shade some; germination 6-8 weeks; transplant to larger pots as growth progresses; final soil, equal parts well rotted manure, compost and leaf mould; prune terminal bud start of second year to form side shoots; blooms third year; tie to stakes; winter in light, warm house.

27. Do not sow before last of April in a warm house; thin and pot; transplant to outside when frost danger has passed; remove flowers when they start to fade; Early Wonder varieties can be started in March.

29. If started in May or June flowers will be had same season; transplant and when well rooted, they can be set out in the open; seed sown in September or even August will make good rooted plants by time of frost.

30. Start in March in warm house; transplant and carry over the summer months in cold frame; bulbs will have formed by fall; dry and winter in frost-free cellar; set out in May.

31. Wet soil well a day before sowing the seed; some milled sphagnum is good in soil mixture; strat during June or August; keep moist; transplant and give plenty of air to seedlings; set outside in Sept.

32. Sow fresh seed or during December-January in seed bed; cover with pine boughs and expose to winter weather; germination takes place during February and March or when it thaws; when growing in the greenhouse place close to the glass.

33. Usually sown from Nov. to March; use a soil mixture of leaf mould; peat moss and sand; do not cover; best to germinate in pans, covered with glass; transplant when seedlings are strong enough and later on repot; give air and less shade as they develop; do not grow in dry atmosphere.

34. Start any time of year in half shaded warm house; rich humus soil with sand; keep fairly wet transplant to flats when second leaf forms and hold till spring without too much root disturbance; in spring when growth starts pot in standard pots; bloom third year.

35. Sow seeds on sphagnum moss; keep shaded and warm; pot in well drained soil on acid side; keep damp, warm and shaded.

36. Sow seeds immediately upon arrival in a light sandy soil; warm and fairly moist; transplant to a richer soil and later to pots; keep shaded at all times.

37. Soak seeds in warm water for 48 hours; plant from February to September; place seeds about 1" apart in flats and $\frac{3}{4}$ " deep in good soil containing third sand; cover soil with sphagnum moss; germination in 4-6 weeks; keep warm at first, later on a little cooler.

38. Start seed from January to April; sandy peaty soil; warm and damp; make later sowings for succession crop; keep shaded, warm and moist; pot when well established; then keep in light part of warm house.

41. Start last of March in warm house in flats or pans; keep warm; transplant to pots last of May in a loamy, sandy soil.

43. Sow during winter in greenhouse; transplant in early spring to cold frame; later on into pots of rich loamy soil; can be transplanted out doors but must be moved in doors before frost; can also be transplanted to greenhouse beds for winter flowers.

45. The seed considered here have hard shells and it is necessary to either soak them in warm water for 24-48 hours or in some, file a notch in the shell; use a sandy soil to germinate in and keep warm and damp; when seedlings are strong enough, pot singly into pots; keep warm.

47. Plant seeds on receipt; keep damp and shaded; transplant to flats and later to pots using an acid soil with leaf mould and shape sand and well rotted cow manure; keep warm and well ventilated.

48. Start in February in warm house in flats of sandy lime-free soil; transplant seedlings promptly into pots which should be sunk into sand; they can be placed out doors during summer but protect from the rains.

49. Sow immediately after harvest in cold frame or flats; cover seed lightly with sand; germination in 4-5 weeks; do not disturb seedlings the first year; transplant to pots the second year.

51. Start in January or February in warm house or in pots or flats; good drainage; lime-free soil and leaf mould with some sand; cover with glass and keep fairly damp; seeds germinate very unevenly.

53. Start July-September in pans or flats in soil containing plenty of sand; do not cover seed with soil but cover with paper and keep moist from bottom; pot up when strong enough and winter over in cold house; little water during the winter.

54. Sow seeds March to August in pots or pans containing peat moss and sand with good leaf mould; cover with glass and paper on top; air when germinated and transplant to pots when strong enough; soil mixture equal parts leaf mould, compost and well rotted cow manure, to which should be added some peat moss and sand; keep in light and warm place; they can be set out in open in May.

55. Sow March-June; germination 7-10 days; soil light compost and peat moss; half shade.

56. Sow November to May, indoors; not too rich soil; shade and sprinkle when necessary; move to small pots in August and keep aired, cool and fairly dry.

57. Sow in March or April in good compost; germination 12-15 days; transplant singly or in groups of 3 in small pots; keep in a warm sunny window; keep damp but not too wet.

58. Sow February-August in sandy leaf mould; cover lightly; cover with glass; transplant promptly to rich soil; disbud- ing terminal will form bushy plants.

Another page will be added in the January issue; suggestions will be appreciated.

RECOMMENDED GARDEN BOOKS

CHRISTMAS GIFTS

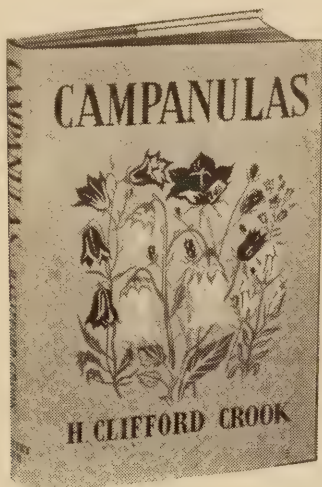
Books makes ideal gifts, especially books on facts of which the receiver is interested in. To avoid being disappointed from being sold out, order early and last minute orders should list substitutes; enclose your card and state when to mail, especially on such dates as birthdays.

All prices are postpaid. We intend offering only the best books on a subject.

BOOKS ON VARIOUS GENERA

HOW TO GROW AFRICAN VIOLETS. \$1.40

By Carolyn K. Rector. 93 pgs; ills; stiff paper cover. It covers the culture in detail and probably is the best on the subject. For the small price anyone growing this beautiful house plant will derive much pleasure from it. It would make a nice gift for a house wife.



CAMPANULAS.

\$5.00

H. C. Crook. 255 pgs; 99 excellent half-tones of species; covers the genus very well as to history and descriptions. Anyone interested especially in Campanulas should have this book. It would make an excellent gift book.

CHRYSANTHEMUMS.

\$2.50

By John Woolman. 109 pgs; nearly 60 ills and line drawings. Covers the subject for garden growing and exhibition; propagation, watering, etc. Deals with all types.

CHRYSANTHEMUMS FOR ALL.

\$1.00

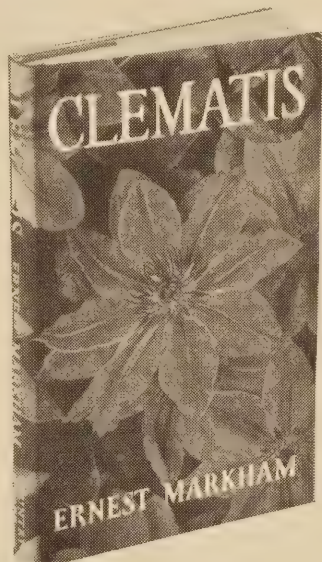
How to grow Chrysanthemums for exhibition and decoration; it is mainly for the beginner and the reasons for the various operations are carefully explained. Allerton. Crown 8vo. with 5 illus. from photo; 1 in color and 13 diagrams; London; 1953.

CLEMATIS.

\$2.50

Any one growing Clematis should have this book. 126 pgs; 26 full page ills. It is a practical book covering the subject fully, especially as to culture and uses. 40 pgs

given to descriptions of the species which is covered fully. Contains a lot of valuable information. By Ernest Markham; 1951.



THE DAFFODIL.

\$3.75

Its History, Varieties and Cultivation. The cultivation of all the important species and many hybrids with details of commercial productions, exhibiting and decoration. M. J. Jefferson-Brown. Demy 8vo. with 37 illustrations from photographs, 4 of them in color, 20 diagrams. London. 1952

DAHLIAS FOR ALL.

\$1.00

Practical advice for the beginner on how to grow Dahlias by the organic surface method, with first steps to exhibiting. Crown 8vo. With 5 illustrations from photographs, 1 of them in color.

DAHLIA CULTIVATION.

\$1.80

An attractive book which will captivate and encourage all Dahlia-lovers and fill up a long-felt want. Demy 8vo. With 41 illustrations from photographs, 4 of them in color, and 2 diagrams.

HOW TO GROW FUCHSIAS.

\$1.50

78 pages, heavy paper cover; by Francis Howard; 7 color plates; many pen drawings; deals mainly on varieties and cultural practices.

THE IRIS.

\$3.00

This comprehensive study covers planting, cultivation and aftercare, diseases, selection of varieties and an authoritative table of all known species. Leslie Cave; Demy 8vo. with 4 colored plates and 35 photographic illustrations.

FRITILLARIES.

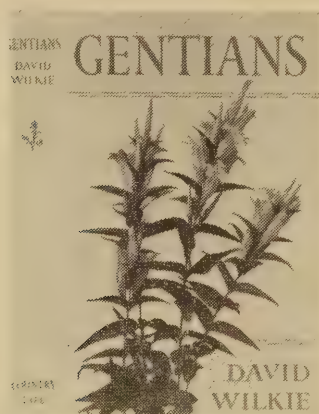
\$4.25

Miss Beck treats the whole genus giving descriptions and details of cultivation. Christabel Beck. Royal 8vo. with 45 illus. from photographs, 4 of them in color; London, 1953.

GENTIAN IN THE GARDEN \$3.00

149 pgs; by G. H. Berry. This is really a good practical book on Gentians. It is written by a practical grower and one who has a good investigative mind. There are several full page illustrations and one of G. farona in color; a really good book.

Anyone who is growing alpine plants commercially should by all means have a copy of this book. It give information on propagation that cannot be found in any other book; the author is practical.

**GENTIAN. \$3.50**

Here is a valuable book by David Wilke of the Edinburgh Botanic Gardens, where he has had unique facilities for studying the genus. 255 pgs of which some 70 pgs are on descriptions and cultural information. There are 95 ills. mostly full page. I recommend it highly.

BOOKS ABOUT HERBS**HERBAL DELIGHTS. \$2.75**

Tisanes, syrups, confections, robs, vinegars and conserves. Mrs. C. F. Level; London; 1953. Demy 8vo. With 50 line drawings by Marion Rivers-Moore.

THE HERB GARDEN. \$1.75

Mary T. Quelch. 232 pgs; 8 ills; treats the subject of Herbs mainly as to their use in various ilnes esj, viz., colds, asthma, constipation, indigestion; rheumatism, etc; gives methods in making teas, tonics, etc.

HERBS: HOW TO GROW THEM and HOW TO USE THEM. \$3.00

Listed as America's leading reference on Herbs and their many uses. In "100 Best Garden Books." 5th revised edition; by Helen Noyes Webster.

HERBS IN THE KITCHEN. \$1.50

By Ambrose Heath. 159 pgs. 1953. There are many tasty recipes for the serving and uses of Herbs, including many unusual kinds not ordinarily found in other Herb books; also some 30 pgs. on culture, but the real valuable part is the recipes; the author has written many books on cooking and this book will be found to be different.

ALPINES and ROCK GARDENS**THE PROPAGATION OF ALPINES. \$3.75**

An exhaustive book for the student, amateur, nurseryman and expert, admirably indexed. Lawrence D. Hills. Demy 8vo,

with 87 line drawings and 44 illustrations from photographs, one of them in color.

ALPINE HOUSE CULTURE. \$2.40

By G. Anley. 164 pgs; 48 ills. This book consists of two parts: the alpine house, its management and care, in detail; and the culture in detail of hundreds of alpines suitable for alpine house growing; its good.

ROCK GARDENING AND ALPINE PLANTS. \$6.00

By Henry Corveon. 524 pgs. There is a vast amount of information in this book written by the late M. Coorevon, one of the outstanding alpine growers in Switzerland. One valuable section is the list of hundreds of the best alpines with detailed information on each, the most complete list available anywhere. Its of value to both the amateur and professional gardener and nurseryman. A really fine book. Incidentally, I might mention that seeds from the Corveon gardens are offered in the Seed Catalog.

ALPINE GARDENING. \$3.85

By L. D. Hills. 343 pgs; 34 ills, with many line drawings; good on alpines; goes into detail on alpine banks; borders; dry walls; paths and alpine lawns; rockeries; soils; alpine plant by plant; propagation.

BOOKS ON WILD FLOWERS**AUSTRALIAN WILD FLOWERS 75¢**

National Handbook 9; 32 pp. 23 illus. (16 in full color). Melbourne, 1944. Gives notes on garden cultivation and identification lists of 106 wild flowers.

THE PRUNING MANUAL. \$5.00

E. P. Christopher. 320 pgs; covers the subject of Pruning very completely; trees, fruits, shrubs ;methods; pruning tools; 12 ills. Every gardener should have a copy.

SEED and POTTING COMPOSTS. \$1.75

By Lawrence and Newell. Rev. 4th edition, 160 pp., 30 figs., 122mo., cloth. London, 1950. New in dust wrappers.

The authors are the developers of the standardized John Innes composts. Their book shows how those remarkable composts save time, reduce the hazards of raising difficult plants from seed and simplify proper potting on the seedlings or cuttings to maturity. Complete formulas and methods of preparation are given.

ORGANIC GARDENING BOOKS**COMMON SENSE COMPOST MAKING.**

\$1.00. By M. E. Bruce. 1943. Here is really a valuable little book on a quick method of making compost; we recommend it to every gardener, no matter how small garden. Besides describing the method and the results of compost, it gives the formulas and details for their use. The method discussed is practical.

BOOKS ON VARIOUS GENERA**MISCELLANEOUS SUBJECTS****A.B.C. of ROCK GARDEN and POOL \$1.50**

Shewell-Cooper. 204 pp. illus. London 1949. Quite comprehensive for its size, this book lists many plants usable for rock gardens and for pools. Gives cultural hints and tells you how to construct rock gardens and pools.

PRICES QUOTED ARE POSTPAID.

TWENTY YEARS OF SEED RESEARCH.

At Boyce Thompson Institute of Plant Research. Lela V. Barton and William Crocker; Demy 8VO; 21 illus from photo; 10 diagrams; frontpiece in color. **\$3.00**

HOUSE PLANTS UNUSUAL: THEIR CARE AND CULTURE. **\$3.00**

A companion volumn to "Grow Them Indoors, and the practical manual on such plants as Amaryllis, Arum, Iris, Herbs, etc. By Allen H. Wood, Jr.

THE SCENTED GARDEN. **\$3.75**

Another Rohde classis. Revised edition of a standard volumn for making aromatic gardens. Full of the lore and uses of scented plants. Eleanor Sinclair Rohde.

MRS. FOOTE'S ROSE BOOK. **\$3.00**

Essentials of growing beautiful roses, written by a pioneer rose gardener. Rose lists, instructions; illustrations. By Harriett Risley Foote.

THE ROMANCE OF THE ROSE. **\$1.75**

A perfect gift for gardeners. Brief lyrical record of the Rose in history. Beautiful edition. By Josephine Carven Chandler

GARDENING WITH COMPOSTS. **\$1.00**

F. C. King. 114 pgs.; Principles of good gardening; Soils; Manures; Preparation of Composts Weeds; Earthworms; etc. much interestation information on Composts.

TURF. **\$2.00**

By I. . Lewis. 136 pgs. Discusses in a practical way grasses suitable for tennis courts, bowling greens, playgrounds and lawns; their making and keeping. Written under English conditions but adaptable elsewhere. 1948.

HERBAL HAND BOOK for FARM and STABLE. **\$2.50**

By Juliette de Bairacla Levy. 273 pgs. 1952. This a good practical book on medicinal herbs and their use on farm animals and poultry; it discusses the gathering and preperation; describes medicinal herbs, their uses but the greater part of the book is on the special treatment by herbs of the common farm diseases. It is different from the usual herb book.

PRACTICAL HERB GROWING. **75¢**

By D. G. Hower. 95 pgs; a really practical herb book; covers cultivation from a commercial point of view; harveting; drying; uses and half of the book is given to notes on individual herbs; this is a good practical herb book.

ANNUAL FLOWERS. **\$3.50**

By A. C. Barber. 273 pgs Describes more than 1,400 species; covers every aspect of culture of hardy and half-hardy annuals as well as other plants commonly grown as annuals; the book also lists under various heading, such as climbers, scented flowers, bee-flowers, border, etc; a real nice book on the subject.

THE DIANTHUS. **90¢**

By W. Ingwersen. 128 pgs. very good illustrations. It covers the genus both as to culture and descriptions; a very choice book on Dianthus.

If purchase is intend as Xmas gift, order early that we may not be short; we try to keep a good stock but do run short.

GREENHOUSE CULTURE**SIMPLE GREENHOUSE MANAGEMENT.** **\$1.00**

By J. S. Dakers. 122 pgs; object of the book is to help the amatuer in elementary principles of cultivation under glass; there is a good deal of information on popular plants; anyone with a small greenhouse should have this book

GROW THEM INDOORS. **\$2.75**

Practical instructions for planting familiar indoor plants, including African Violets. Many ills. By Allen H. Wood.

A. B. C. OF THE GREENHOUSE. **\$1.80**

Shewell-Cooper, 320 pp., 4 col. plates 9 gravure plates; 27 line illus; 12 mo; cloth London, 1949.

BOOKS ON PROPAGATION**PROPAGATION of HARDY TREES and SHRUBS.** **\$1.75**

G. M. Taylor. 107 pp. 8 pp plates, Oxford, 1947.

A book designed to meet the needs of the amateur. Tells how to make cuttings, layers, grafting, etc. What shrubs and trees can be propagated from seed and how best to treat the seed in order to obtain the best results

SECRETS OF SUCCESSFUL PROPAGATION. **\$2.00**

By A. A. Longmire. Contains many line drawings by the author with detailed descriptions of his methods of propagating. The list of subjects range from hardy trees to tropical plants; every propagator should have this book.

SIMPLE PROPAGATION. **\$1.10**

By Noel Prockter. 140 pgs; very many ills. There is a vast amount of practical information in this book on propagation, from seeds to budding and grafting, with a list of trees, shrubs and other plants with methods of propagation. Worth many times the price to any grower.

PRACTICAL PLANT BREEDING. **\$2.00**

By W. J. C. Lawrence; 1951; 160 pgs; 24 ills and drawings. If you are interested in plant breeding or improving flowering plants grown in your garden, this book will help greatly. It contains the information necessary to save you many years of unnecessary work and will pave the way for quick results.

PLANT PROPAGATION. **\$3.50**

By E. J. King. 8vo., illus. How to propagate every familiar garden plant and also many that are rare and unusual. The directions given should enable the amateur to be successful even with species supposed to be difficult. Professional propagators and nurserymen will also find the working direction they require. Paragraphs in the text are numbered to make cross references easy and there is also a full index. 3rd. edition.

PLANT BREEDING FOR EVERYONE **\$2.75**

At last a simplified book that tells the amateur gardener how to grow his own varieties of fruits and flowers. Ills. with drawings and photos. Written in popular language (avoiding technicalities) and designed to aid the gardener in raising new plants for fun and profit.

PRICES QUOTED ARE POSTPAID.

GARDEN BOOKS CONTINUED.

SIMPLE PROPAGATION. \$1.75
By N. J. Prockter. 144 pgs, illustrated and altho written for the amatuer, it is of real value to advanced gardeners. It is practical and of value to all growing flowers.

CACTI AND SUCCULENTS**THE CULTIVATION OF SUCCULENTS.** 75¢

By H. Jacobsen. 105 pgs. This is a small book dealing mainly with the propagation of Succulents—cultural information and at the price should be had by all growers of Succulents. Mr. Jacobsen's larger book deals with descriptions, etc., and is regarded as the standard work on the subject.

CACTI AND SUCCULENTS. \$5.00.

By G. Gilbert Green. 1953. 237 pgs. 17 fine colored pictures, 166 monochromes of species; 20 ills showing plant structures. The author is a practical grower and the

book is of value to both beginners and advanced collectors; covers all type of growing from the window-box to the heated greenhouse; species are classified and identification made simple. A good book on the subject.

SUCCULENT PLANTS.

\$7.00

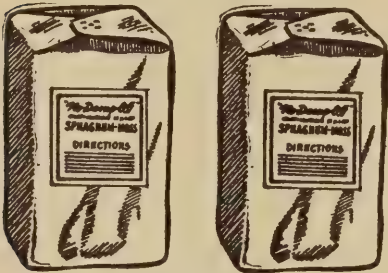
By H. Jacobsen. 293 pgs. Covers 151 genera, 1,078 species; many beautiful illustrations. Contains a full description and notes on succulents, other than Cacti. It is most likely the best book on the subject; revised up to 1955.

BULBS AND PERENNIALS.

\$4.00

By R. E. Harrison. Covers the subject from the Southern Hemisphere, Particularly New Zealand; very well illustrated. Mr. Harrison is a very prominent New Zealand nurseryman and thus his discussions on the bulbs and perennials suitable for their section is reliable and practical.

GARDEN SUPPLIES

MILLED SPHAGNUM MOSS

It is simply impossible to germinate many seeds without the use of milled sphagnum moss. If you were over your seed pans all day long as the professional grower is you may find you could get along without it, but no professional grower would fail to have the fine moss on hand. It will save many a packet of valuable seed from loss due to an hours neglect, that cannot be avoided by one having other duties.

PEAT MOSS

Now packed in 1/2 bushel boxes containing approximately 1/2 bushel; \$1.50 postpaid.

Necessary in the germination of many seeds such as Ilex, Vacciniums and other acid loving plants

1 Peck Packages.....	Postpaid	
3 1/2 " "70
		1.30

VERMICULITE

Special for seed beds, for cuttings or for mixing in potting soil. It comes in three sized paper bags; the small size will take care of the germination needs of the small grower.

PRICES: 4 qt. bags, 55¢; 1/2 bushel bags, \$1.00; 2 bushel bags, \$2.45, prepaid by mail.

WOODEN POT STAKES

3 inch: 90¢ doz; 250 for \$4.00.
Painted stakes 3/8 inch wide; prepaid.
4 inch: 65¢ per 100; 1,000 for \$4.25.
5 inch: 70¢ per 100; 1,000 for \$4.50.
8 inch: \$1.00 per 100; 500 for \$4.75
10 inch: \$1.15 per 100; 250 for \$2.50

COPPER WIRED TREE, SHRUB TAGS:

3 1/2" long, 5/8" wide, for tagging trees and shrubs; painted white.

70¢ per 100; 1,000 for \$5.50.

WOODEN GARDEN STAKES

7/8 inch wide, painted white;

8 inch: \$1.30 per 100; 250 for \$3.00.

1 1/8 inch wide; these make an attractive and cheap garden stake.

12 inch: Each 3¢; 25 for 55¢; 100 for \$2.00.

FERTILIZERS**ROSE PLANT FOOD**

100% plant food, organic formula of dried blood, fish scraps, bone meal, guano, potash, cotton seed meal, nitrate of soda, sulphate of ammonia, poultry manure powder and superphosphate, a 7-8-5 formula.

ONE LB. PKGS. 75¢

HY-GRO PLANT FOOD**A SOLUBLE PLANT FOOD**

A soluble plant food that can be used while you water your plants. It is immediately available as the solution penetrates into the soil and continues to feed over a long period. Will not harm roots or leaves. Can also be used in transplanting. Best applied to pots when they are dry and need watering.

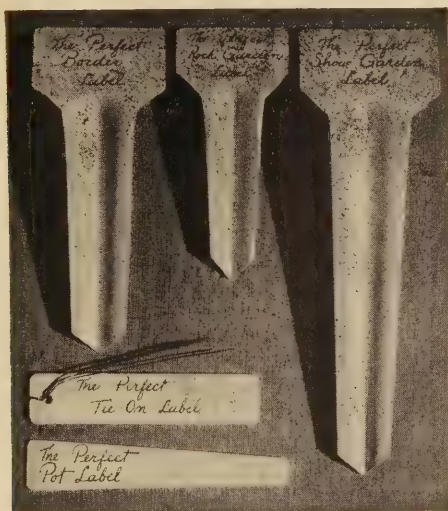
Starter Solution for Transplanting

for flower and vegetable seedlings, perennials, shrubs, etc. Checks wilting and gives transplants a healthy start for rapid growth.

FORMULA: 13 - 26 - 13

3 Oz. Bottle. Postpaid	.60¢
3 Bottles, postpaid	\$1.10

PERFECT PLANT LABELS



MARK with ORDINARY LEAD PENCIL

Mark with your ordinary lead pencil; it is permanent and will not fade or become unreadable. If you wish to make any changes an ordinary eraser will remove the writing.

INSECTICIDES

Du PONT 10% DDT INSECT POWDER

Controls cockroaches, flees, ants, bed bugs, moths, ticks, carpet beetle and silver fish.

1 Oz. Puffer Cans, Postpaid.....	.25¢
3 Oz. Puffer Cans.....	.50¢

HAMMOND'S SLUG SHOT

Destroys many insects that prey upon house and garden plants.

It is most effective when used as a powder and applied lightly over the infected parts. One application is generally sufficient.

1 lb. Cans.	Postpaid.....	.75¢
3 Cans.	Postpaid.....	\$1.50

ACTIVO

Quickly and cheaply makes rich, soil building humus from house and garden wastes.

Energizes bed, pot, garden and orchard soils.

COMPOSTING - Bring following types of materials into well drained heap, large barrel or hoghead, or ventilated garbage can: table scraps, fruit wastes, leaves, grass clippings, garden rubbish, sewage or sludge, citrus pulp, peat, etc:

Use as much garbage and other rich wastes as possible. Neutralize with ground limestone, and add a few shovels of ordinary soil for compacting the mass. Mix in 1-3 lbs. of ACTIV-O for each (approx) 250 lbs. compost: Moisten. Keep moist, but NOT wet. Use greater amounts of garden soil to compact leaves and other light,

dry materials.

Better, mix in a handful or so (for each bushel of compost) of commercial fertilizer or plant food or ammonium sulphate, ammonium nitrate, etc.

No. 2. (approx. 2½ lbs. gross)	\$1.35
No. 7: (Approx. 6¼ lbs. gross)	\$2.20

CYPRESS PLANT BANDS

CYPRESS PLANT BANDS WON'T STEAL YOUR SOIL NITROGEN

Wood veneer bands have a great reputation for doing that. Chances are that you have seen articles in the trade journals saying that many plants appear unhappy in plant bands.

Wood veneer, being thin, decomposes rapidly. While the band is rotting, large amounts of nitrogen are used in the process.

Cypress plant bands won't rot quickly and therefore does not affect the nitrogen in the potting soil that is needed for the small plants. Paper bands react just like the plain wood veneer bands; and the various coated paper bands, being rather water proof, prevent an even watering of your plants. You will not have NITROGEN STARVED plants when you use our CYPRESS PLANT BAND. A trial order will convince you.

PRICES: (All are packed 1,000 to case, except the 4x4x4, these in 500 and 1,500.

Not prepaid	Per 1,000.
1¾ in. square x 2½ deep.....	3.80
2 in. square x 2½ deep.....	4.00
2½ in. square x 3 deep.....	4.60
3 in. square x 3 deep.....	5.00
3 in. square x 4 deep.....	5.20
4 in. square x 4 deep.....	6.00

100 bands, postpaid, at 1/5th above prices.

Example: 100 4x4x4 for \$1.20. postpaid, You can make any selection to make 100.

KNEE SAVERS

JUDSEN
MOLDED RUBBER
KNEE
PADS



FOR EVERY
"DOWN-ON-THE-KNEES"
JOB!

No matter what the "down-on-the-knees" job is, Judson Knee Pads let you do it faster, easier and with comfort. They've been standard knee protection for over 30 years.

PRICE per PAIR — \$2.50, postpaid.

Our Magazine gives much detailed information on growing flowering plants; send 25¢ for a sample copy.

FLOWER SEED MIXTURES

Mixtures of any seed is prohibited entry from one country to another, as a rule. This does not apply to mixtures of one genus unless the genus, itself is prohibited.

CUT FLOWER BLEND.

MIX-1. Pkt. 20¢; Oz. 60¢.
This contains many different kinds of seeds suitable for cut flowers. They are hardy annuals as a rule and it would be best to plant them in rows, some in April and then another planting in May.

ANNUAL CLIMBING VINES.

MIX-2. Pkt. 20¢; ½ Oz. 40¢.
This collection is of interest to children as the seeds are mainly large and the vines very noticeable when growing. It would be best to plant them where they are to grow and here in Michigan when frosts may occur late in May, the seed would be best planted the first of May and towards the end of the month more seed can be planted between the others in case of frost damage.

ROCK GARDEN PERENNIAL BLEND.

MIX-3. Pkt. 25¢; ¼ Oz. 80¢.
This is a real collection for the Rock Gardener; contains a great many species all suitable for the Rock Garden. They can be sown any time between January and August just so they get a start by freezing weather. The early planting, of course, should be made indoors.

AUSTRALIAN-NEW ZEALAND SEEDS.

MIX-4. Pkt. 20¢; Oz. 80¢.
We list a great many seeds from both Australia and New Zealand and this blend contains seeds of all of them. Keep in mind that most of these will not stand a great deal of frost and thus would be especially useful in the South.

FLOWERING & ORNAMENTAL SHRUBS

Their cultivation and propagation. Advice on what to grow under different conditions and instructions on preparation of

the soil, pruning, propagation, pests and diseases. Demy 8vo. With 5 illustrations from photographs, one of them in color; D. Macer Wright; London; 1953. \$2.50

HARDY BORDER BLEND.

MIX-5. Pkt. 25¢; ½ Oz. 90¢.
This is made up of hardy perennials growing from 1 to 6 feet in height. All will make nice specimen plants for the hardy border. Sow the seed any time between January and August, starting the early sowing indoors.

HOUSE PLANS BLEND.

MIX-6. Pkt. 40¢.
The seeds in this mixture are all tender subjects and grown indoors. The seeds of this blend are all costly items and care should be used in planting them. This is an ideal collection for the shut-in. Try germinating them the 'casserole method'.

TROPICAL SEED BLEND.

MIX-9. Pkt. 20¢; Oz. 90¢.
These seeds are all of tropical origin and suitable for the far South for outdoor growing or in the North for indoor plants. They, as a rule, require a warm damp place to germinate and usually bottom heat is very important.

GENERAL FLOWER MIXTURE.

MIX-8. Pkt. 20¢; Oz. 40¢; lb. \$2.50.
This contains over 1,000 different varieties and species of seed. The bulk of which are hardy in the corn belt; the mixture can be used for general planting most any where in the U.S. Suggest broadcasting in March or April and later start the seed more carefully.

CALIFORNIA NATIVE FLOWERS.

MIX-9. 25¢
An exceptional mixture of true California native flowers. Carefully selected to make the most colorful as well as most interesting display. Oz. \$1.20; ¼ lb. \$2.25.

FERTO-POTS

FERTO-POTS have taken the gardening world by storm. Users highly enthusiastic. Millions sold.

Pots made of rich rotted cow manure in automatic pot machines and kiln dried. No wilt, no set-back; quicker, better results if seed, bulbs, plants, cuttings are started in FERTO-POTS. When transplanted outdoors pot and all goes into the ground. Pots soften up in the moist soil and feed the plants. Excellent results as liners inside clay pots for African Violets and other house plants. FERTO-POTS are a boon to professional growers and home gardeners alike. Shipped prepaid at following prices: (Add 10% for Pacific Coast States).

PRICES: All prepaid by parcel post.

No. 2. Dozen 55¢; 100, \$3.00; 500, \$11.50
No. 2½ Dozen 75¢; 100, \$3.50; 250, \$6.60.
No...3 Dozen 85¢; 100, \$3.50; 250, \$8.50



J. C. MAARSE'S FLOWER STRAINS

The following seeds are in original packets from the firm of J. C. MAARSE, growers of the very best strains for the most particular Florist.

CYCLAMEN persicium giganteum:

PRICE: \$10.00 per 100 seeds, assorted; \$8.00 per 100. of ONE variety; \$8.00 per 1,000 assorted.

- Carmine salmoneum. CYCL-M1. 75¢
Pure carmine-salmon.
- Bonfire. CYCL-M2. 75¢
Salmon-scarlet.
- Pearl of Zehlendorf. CYCL-M3. 75¢
Nice dark salmon.
- Rose of Aalsmeer. CYCL-M4. 75¢
A popular salmon-pink.
- Rose of Zehlendorf. CYCL-M5. 75¢
Light salmon-pink.
- Salmoneum oculatum. CYCL-M6. 75¢
Soft pink with eye.
- Rose of Marienthal. CYCL-M7. 75¢
Lilac-rose with eye.
- Magnificum. CYCL-M8. 75¢
White white scarlet eye.
- White Wonder. CYCL-M9. 75¢
A pure white, very large flowering.
- Cattleya. CYCL-M10. 75¢
A beautiful lilac shade.
- Sylphide. CYCL-M11. 75¢
A soft lilac growing to white.
- Maarse's Purple. CYCL-M12. 75¢
The best purple.
- Crimson King. CYCL-M13. 75¢
A dark blood red color.
- Scarlet Fire. CYCL-M14. 75¢
A bright red color.
- Light Red. CYCL-M15. 75¢
- Reinrose. CYCL-M16. 75¢
Dark lilac-pink.
- Harlequin. CYCL-M17. 75¢
Striped flowers; different.
- Victoria. CYCL-M18. 75¢
Soft pink with red edges; fringed.
- Maare's Scarlet. CYCL-M19. 75¢
Rich scarlet with silver border.
- Baardse's Wonder. CYCL-M20. 75¢
Salmon with light border.
- Rococo and Fringed. CYCL-M21. 75¢
Varieties in main colors.
- Florist Blend. CYCL-MX. 75¢

NEW CROP SEED: May to September.

CALCEOLARIA Hybrida grandiflora:

Large flowering strain in the brightest colors; none better.

- In separate colors. CALC-M. 75¢
Colors available (Be sure to state what colors you wish): Scarlet; Orange; Pure Yellow; Yellow speckled Red; Tigered and Speckled in best mixture. One gram \$5.00.

Hybrida multiflora:

Small flowers in bright colors.

- Small Flowering. CALC-MM. 75¢
These come in the following separate colors (state which is wanted).
Scarlet; Pure Yellow; Tigered and speckled; Blend of bright Colors. 1 gram \$5.00.

NEW CROP SEEDS: June and July.

CINERARIA grandiflora nana.

- Exhibition Strain. CIN-MX. 75¢
Very large flowering; compact growing; mixed in the popular colors. 1 gram \$6.00.
- Large Flowering. CIN-MF. 75¢
This comes in the following separate colors (be sure to state which you wish):
Terra-cotta; Dark Blood Red; Wine-red; Scarlet; Dark Pink; Light Pink; Dark Blue; Light Blue; Dark Pink; Light Pink; Splen-center; Red with white center; Splendid Blend. One gram \$5.00.

—multiflora nana:

- Small Flowering. CIN-MS. 75¢
Comes in following separate colors (state which you wish):
Terra-cotta; Scarlet; Violet; Dark Blue; Light Blue; Dark Pink; Light Pink; Splendid Blend. One gram \$5.00.

GESNERIA macrantha compacta:

- Bright Scarlet. GES-MS. \$1.00
This is their own selection and is the best strain obtainable. One gram \$8.00.

NEW CROP SEEDS: September-December.

GLOXINIA hybrida grandiflora:

NEW CROP SEED: September-December.

- Anja Egels. SINN-M1. \$1.00
Bright red; fringed; large flowering.
- Switzerland. SINN-M2. \$1.00
Bright red with white edge.
- Symphony in Rose. SINN-M3. \$1.00
Deep pink with white center.
- Gierth's Red. SINN-M4. \$1.00
Rich wine color.
- Gierth's Blue. SINN-M5. \$1.00
Rich violet-blue.
- Gierth's White. SINN-M6. \$1.00
- Congratulation. SINN-M7. \$1.00
Dark blue with white edge.
- Subliem. SINN-M8. \$1.00
Deep dark pink with white center.
- Blend of Above. SINN-MX. \$1.00
One gram of any above: \$13.00.

KALANCHOE:

NEW CROP SEED: September to December

- Vulcan. KALA-M1. \$1.00
Bright red; compact; very rich flowering. One gram \$18.00.
- Tom Thumb. KALA-M2. 75¢
Scarlet; extra compact; very rich flowering. One gram 8.00.
- Ernst Thiede. KALA-M3. 75¢
A compact scarlet. One gram \$7.00.
- Brilliant. KALA-M5. 75¢
- Blend of Above. KALA-MX. 75¢
- Gold Hybrids. KALA-M4. 75¢
Various colors. One gram \$8.00.

PRIMULA chinensis fimbriata:

The following varieties represent the very best varieties; you cannot go wrong on them.

- Blender. PRIM-M1. 75¢
Deep orange color.
- Dazzler. PRIM-M2. 75¢
- Beauty of Nice. PRIM-M3. 75¢
Pure salmon-pink.
- Karfunkelstein. PRIM-M4. 75¢

- Velvet red.
 - The Czar.** PRIM-M5. 75¢
Dark blue.
 - Cote d'Azur.** PRIM-M6. 75¢
Light blue.
 - Aurora.** PRIM-M7. 75¢
Soft pink.
 - La Fraicheur.** PRIM-M8. 75¢
Dark pink.
 - Defiance.** PRIM-M9. 75¢
Dark red.
 - Etincelante.** PRIM-M10. 75¢
Rich scarlet.
 - Amaranth.** PRIM-M11. 75¢
Amaranth-red.
 - Alba pura.** PRIM-M12. 75¢
Pure white.
 - The Dutchess.** PRIM-M13. 75¢
White with a scarlet eye.
 - Splendid Blend.** PRIM-M14X. 75¢
- One gram any of above: \$5.00.

PRIMULA malacoides:

- Rosea gigantea.** PRIM-M20. 75¢
Extra large flowering, salmon-pinkfl
 - Brilliant.** PRIM-M21. 75¢
An extra large flowering salmon-scarlet.
 - Eriksoni.** PRIM-M22. 75¢
Large flowering salmon-pink.
 - Thurgovia.** PRIM-M23. 75¢
Large flowering salmon-pink.
 - Gratulation.** PRIM-M24. 75¢
Compact salmon-pink.
 - Fireglobe.** PRIM-M25. 75¢
Bright salmon-red; large flowering.
 - Purpurea Surprise.** PRIM-M26. 75¢
Large flowering purple.
 - Salmonea Surprise.** PRIM-M27. 75¢
Large flowering salmon.
 - Vollendung.** PRIM-M28. 75¢
Carmin-pink.
 - White No. 10.** PRIM-M29. 75¢
A compact pure white.
 - Wadenswiler purpurea.** PRIM-M30. 75¢
Compact purple variety.
 - Dr. Bohnert's Lilac-Pink.** PRIM-M31. 75¢
Compact growing plant.
 - Dr. Bohnert's Scarlet.** PRIM-M32. 75¢
A compact plant.
 - Snow Queen.** PRIM-M33. 75¢
Pure white.
 - Blend of Above.** PRIM-M34. 75¢
One gram any of above \$5.00.
- NEW CROP SEED: June-July.

PRIMULA kewensis:

- Pure Yellow.** PRIM-M60. 75¢
1 gram \$6.00.

PRIMULA obconica grandiflora:

- Dark Red.** PRIM-M40. 75¢
 - Copper Red.** PRIM-M41. 75¢
 - Pure Pink.** PRIM-M42. 75¢
 - Blue.** PRIM-M43. 75¢
 - Salmon-pink.** PRIM-M44. 75¢
 - Pure White.** PRIM-M45. 75¢
- ANY OF ABOVE: 1 gram \$5.00; 10 gr. \$30.00.
- Fasbender Red.** PRIM-M46. 75¢
Extra large flowering crimson.
 - Red Giant.** PRIM-M47. 75¢
Extra large flowering scarlet.
 - Wyaston Wonder.** PRIM-M48. 75¢
Dark pink; compact.
 - Stadt Zurick.** PRIM-M49. 75¢
A compact velvet red.
 - Dark Blue.** PRIM-M50. 75¢
Compact deep blue.
 - Blend of Above.** PRIM-M51. 75¢
One gram above: \$6.00.
- NEW CROP SEED: From October on.

BEGONIA semperflorens gracilis:

- Red Pearl.** BEG-M1. \$2.00
Compact scarlet.
- Pink Pearl.** BEG-M2. \$2.00
Compact bright pink.
- Areline.** BEG-M3. \$1.50
Compact dark pink.
- Snowstorm.** BEG-M4. \$1.50
Compact pure white.
- Wintermarchen.** BEG-M5. \$1.50
Carmine-rose; winter flowering.

NEW CROP SEED: June-July.

BEGONIA tuberosa grandiflora:

- Double.** BEG-M60. \$3.00
These come in the following separate colors; be sure to state what you want.
Orange; Yellow; White; Rose; Salmon; Scarlet; dark Red; Copper; Mixed.
- NEW CROP SEED: December-February.

SAINTPAULIA ionantha grandiflora:

- Best Varieties.** SAPU-M2. \$3.00
These seeds are from Holland and German varieties and grown by Maase from their own selections; this should be better than the usual 'hybrids'.
- NEW CROP SEED: September to January.

VIOLA tricolor maxima: (Pansy)

NEW CROP SEED: July-August.

- Aalsmeere Giants.** PANS-M2. 50¢
While we offer another strain under this name; these are a special selection grown by MAASE and should be tried by every commercial Pansy plant grower. If you will make even a trial planting for your own trial, your advantage will be that you can reorder with full assurance that your next crop will be a duplicate of the trial. They are early flowering and in bright colors. 10 grams \$3.00; 100 grams (about 5½ oz) \$20.00.

BOG PLANTS

ADD 25¢ TO EACH ORDER—POSTAGE

- ACORUS calamus. Sweet Flag..... .40
- ASTER puniceus. Swamp Aster..... .35
- CALTHA palustris. Marsh Marigold..... .40
- CHELONE glabra. White Turtlehead.... .35
- lyoni. Pink Turtlehead..... .40
- CICUTA maculata. Water Hemlock..... .35
- CORNUS canadensis. Bunchberry..... .75
- DIPHYLLEIA cymosa. Umbrella-leaf.... .40
- EUPATORIUM purpureum. Joe-Pye-W..... .35
- HELENIUM autumnale..... .35
- IRIS pseudacorus. Yellow Flag..... .40
- versicolor. Blue Flag..... .40
- LOBELIA cardinalis. Cardinal Fl..... .40
- syphilitica..... .40
- MERTENSIA virginica. Va. Bluebells.... .35
- MONARDA didyma. Oswego Beebalm.... .40
- PHYLLOSTACHYS aurea. Golden Japanese Bamboo..... 1.35

(See Page 140 for more Bog Plants)

DELIVERY: Only during Spring and Fall months. Prices quoted are postpaid BUT be sure to add 25¢ to each order in addition to the prices quoted above.

NATIVE WILD FLOWER PLANTS

HARDY NATIVE ROCKERY PLANTS

AQUILEGIA canadensis.....	.40
ARISAEMA triphyllum. J-in-Pulpit.....	.40
ASCLEPIAS tuberosa.....	.50
CAMPANULA divaricata.....	.35
CHAMAELIRIUM luteum.....	.35
CLINTONIA borealis. Bluebead.....	.40
—umbellulata.....	.35
CONVALLARIA majalis. L-of-Valley.....	.40
COREOPSIS lanceolata.....	.40
DICENTRA canadensis.....	.35
—cucullaria. Dutchman's Breeches.....	.35
—eximia. Bleeding Heart.....	.70
DODECATHEON meadia.....	.40
ERYTHRONIUM americanum.....	.35
EUPHORBIA corollata.....	.35
GENTIANA andrewsi.....	.40
HEPATICAC acutiloba.....	.45
—triloba.....	.45
HEUCHERA villosa. H. Alumroot.....	.40
PHLOX divaricata. Blue P.....	.40
POLYGALA senega. S. Snakeroot.....	.35
POLYGONATUM commutatum.....	.45
SANGUINARIA canadensis. Bloodroot.....	.40
JAXIFRAGA michauxi.....	.40
SILENE virginica. Firepink.....	.40
SISYRINCHIUM angustifolium.....	.35
STOKESIA leavis.....	.35
THALICTRUM dioicum.....	.40
TRILLIUM cernuum.....	.30
—erectum. Purple Trillium.....	.45
—album. Wax Trillium.....	.30
—grandiflorum. Snow Trillium.....	.45
—luteum. Yellow Trillium.....	.35
—sessile. Toad Trillium.....	.30
—stylosum. Rose Trillium.....	.45
—undulatum. Painted Trillium.....	.45

TRILLIUM SPECIAL
FIVE each above 8 species, 80 roots
for only \$25.00, postpaid.

UVULARIA grandiflora. Merrybells.....	.40
—perfoliata.....	.35
—sessilifolia.....	.35
—canadensis.....	.40
—pedata. Bird'sfoot Violet.....	.35
—bicolor.....	.40
YUCCA filamentosa.....	.50
—gloriosa. Moundlily Yucca.....	.60
ZYGADENUS muscaetoxicum.....	.35
XEROPHYLLUM asphodeloides.....	.50

HARDY ORCHIDS

POSTPAID.

PRICE EACH.

APLECTRUM hyemale. Puttyroot.....	.50
Puttyroot. Greenish brown fls; 1 ft; rich loam; partial shade; evergreen.	
CALOPOGON pulcaellus. Grass-pink O.....	.50
Grass-Pink Orchid. Grass-like foliage and showy pink fls in early summer; bog or water garden; sun or semi shade; 12"- 18".	

The following hardy herbaceous perenn-
ial plants can be supplied in the spring or
fall. The prices quoted are postpaid and
no orders for less than \$3.00 can be hand-
led at the prices quoted. Write for prices
where more than one of a kind is wanted.
Spring delivery usually from March -st.
to May 15th. Fall delivery starts in Aug-
ust and into December. Winter delivery
can be made in most cases, if desired.

ADD 25¢ TO EACH ORDER—POSTAGE

HARDY HERBACEOUS PERENNIALS

POSTPAID. **PRICE EACH.**
(For descriptions see regular catalog.)

ACONITUM reclinatum40
—uncinatum35
ACTAEA alba40
—rubra40
ALLIUM tricocum. Wood Leek.....	.35
ARALIA racemosa.....	.45
ARUNCUS sylvester. Goat's Beard.....	.40
ASARUM canadense. Can. Wild Ginger.....	.30
—shuttleworthi. Mottled Wild G.....	.40
ASTILBE biternata.....	.40
BAPTISIA australis.....	.45
—tinctoria. Yellow Wild Indigo.....	.35
CAREX fraseri.....	.40
CAULOPHYLLUM thalictrioides.....	.35
CIMICIFUGA americana.....	.35
—racemosa. Cohosh Bugbane.....	.40
COLLINSOIA canadensis30
DISPORUM lanuginosum. Fairbells.....	.35
EPILOBIUM angustifolium.....	.35
EUPATORIUM urticaefolium40
GERANIUM maculatum.....	.30
GILLENIA trilobata. Bowmansroot.....	.40
FRAGARIA virginiana.....	.30
HOUSTONIA purpurea.....	.30
HYDRASTIS canadensis. Goldenseal.....	.30
—Large sized roots.....	.45
LIATRIS pycnostachya. Cattail Gay F.....	.40
—scariosa. Lge. Button Snakeroot.....	.35
—spicata. Spike Gayfeather.....	.35
MITELLA diphylla. Bishop's Cap.....	.40
PANAX quinquefolium. Am. Ginseng.....	.40
PEDICULARIS canadensis. Betony.....	.35
PODOPHYLLUM peltatum.....	.35
POLYGONATUM biflorum.....	.35
SAPONARIA officinalis. B. Bet.....	.35
SMILACINA racemosa.....	.35
SOLIDAGO canadensis.....	.30
—odora. Fragrant Goldenrod.....	.35
STENANTHIUM robustum.....	.40
STREPTOPUS roseus.....	.40
THALICTRUM polygamum.....	.40
THERMOPSIS caroliniana.....	.45
TIARELLA cordifolia. Foamflower.....	.40
TRADESCANTIA virginiana.....	.35
VERONICA virginica.....	.40
VIOLA blanda. Sweet White Violet.....	.35
—cucullata. Blue Marsh Violet.....	.35
—hastata. Halberd-leaved.....	.35
—rotundifolia. Yellow Roundleaf V.....	.35
—sagittata. Arrowleaf Violet.....	.35
Yucca gloriosa. (patens).....	.60

CYPRIPEDIUM acaule. Pink Lady S.....50
Pink Ladyslipper. Large bright purple pink fls in early spring; 6-15 inches; our most beautiful hardy Orchid; (II).

—**parviflorum.** Yellow Lady S......75

—**pubescens.** Yellow Ladyslipper......65

Yellow Ladyslipper. Large bright yellow fls in May and June; 1-2 ft; rich soil.

—**spectabile.** Showy Ladyslipper......75

Showy Ladyslipper. White to rose colored fls in June and July; 1-2 ft; shade; rich peaty soil; very pretty; (II).

HABENARIA ciliaris. Yel. Fringed O.... .50

—**ciliaris.**40

Yellow Fringed Orchid. Orange or yellow fls with fringed petals; July-August; sandy soil; part shade.

—**psycodes.** Sm. Purple Orchid......75

Small Purple Orchid. Purple fragrant fls; shade; 1-2 ft.

ORCHIS spectabilis. Showy Or......45

Showy Orchid. Violet-purple fls mixed with a lighter purple and white; May-June; shade; 6-12 inches.

100 NATIVE ORCHIDS: Assorted (our selection) all flowering sized plants for part shade or shade for \$25.00, postpaid.

ADD 25¢ TO EACH ORDER — POSTAGE

NATIVE FERNS

These are easily transplanted and here in Michigan, we have 100% stands with fall planting. See terms on front cover.

ADD 25¢ ON EACH ORDER — POSTAGE. POSTPAID. PRICE EACH.

ADIANTUM pedatum. Maidenhair......40

Maidenhair Fern. One of the most beautiful native ferns; moist shady places; 18".

ASPLENIUM platyneuron. Ebony S......50

Ebony Spleenwort. Narrow lvs; found on cliffs and rock soils; semi shade; 6-8 in.

—**trichomanes.** Maidenhair......45

Maidenhair Spleenwort. Small and delicate; found on rocks and cliffs; part shade.

ATHYRIUM filixfemina. Lady F......45

Lady Fern. A very showy fern; vigorous grower; 1-3 ft; shade.

BOTRYCHIUM virginianum. Rattlesnake Fern......40

Rattlesnake Fern. Triangular fronds; lvs 6-12" long.

CAMPTOSORUS rhizophyllus. Walking F

Good in dry shaded rock.....s......50

Walking ern. Prefers dry shaded rocks; manner of growth suggests steps; evergreen; 4-12 inches.

CYSTOPTERIS bulbifera. Good RG.... .40

Berry Bladderfern. Tiny bulblets along underside of fronds; part shade; good RG; 1-2 ft.

DICKSONIA punctilobula. Hay-scented F.

Shade or open situations......40

Hay-scented Fern. Very vigorous grower 1½-2 ft; shade or open.

DRYOPTERIS filix-mas. Male F......40

Male Fern. Effective in masses; shade; 10-18 inches.

—**goldiana.** Goldie Fern......45

Goldie Fern. Tallest and largest of the

native wood-ferns; shade or part-shade; easy; 2-3 feet.

—**dilata.** Mountain Fancy Fern......40

—**hexagonoptera.** Winged Wood F......53

Winged Woodfern. Triangular fronds; sun or shade; 12-18 inches.

—**linneana.** Oak Fern......50

—**marginalis.** Leather Woodfern......40

Leather Woodfern. Attractive species; 1-2 ft; part or full shade.

—**spinulosa.** Toothed Woodfern......45

Toothed Woodfern. Easy; rich moist soil in part shade or full shade; 1-2 ft.

—**thelypteris.** Marsh Fern......40

Marsh ern. Delicate fronds; best in a moist open or semi-shaded place; decid; 9-18 inches.

LYGODIUM palmatum. Climbing F......55

Climbing Fern. The only Fern with climbing stems native to the U.S.; shade or part; 2-4 ft; extra good.

ONOCLEA sensibilis. Sensitive F......35

Sensitive Fern. Sensitive to early frost; moist places; shade or sun; 9-18 inches.

OSMUNDA cinnamomea. Cinnamon F.....43

Cinnamon Fern. Strong grower; not particular as to location; shade or part; 2-4 ft.

—**claytoniana.** Interrupted F......45

Interrupted Fern. A very bold and attractive species; shade or part; 1½-3 ft.

—**regalis.** Royal Fern......50

Royal Fern. Found in swamps; shode or sunny locations; attractive foliage; 2-4 ft.

PELLAEA atropurpurea. Cliff Brake......55

Cliff Brake. Fronds clustered, leathery; blue-green; limestone cliffs; sun or part shade; 6-18 inches.

POLYPODIUM vulgare. C. Polypody.... .45

Common Polypody. Found covering ledges and boulders; excellent RG; 6-18 in.

POLYSTICHUM acrostichoides. Christmas

Fern. Used by florists......35

Christmas Fern. Very ornamental in masses in shade or part shade; 9-18 inches; useful in flower design.

PTERETIS nodulosa. Ostrich Fern......45

Ostrich Fern. Bold effect; 2-5 ft; very ornamental; prefers moist shady places.

PTERIDIUM aquilinum. Bracken......30

Bracken. Spreading compound fronds; sun or part shade; 2-3 ft.

WOODWARDIA virginica. V. Chain F.... .40

Virginia Chain Fern. Strong grower; 2-3 ft; moist shady places.

100 NATIVE FERNS: (Our Selection) for shade or part shade. Postpaid. \$20.00

ADD 25¢ TO EACH ORDER — POSTAGE

NOTE: I can supply large clumps if desired or if you wish to make any large planting, I can quote special prices. They are not difficult to transplant to a woody soil.

MORE BOG PLANTS

SARRACENIA flava. Pitcher-plant......85

—**purpurea.**95

—**rubra.** Sweet P......90

SAXIFRAGA virginensis40

TYPPHA latifolia. Common Cattail......40

VERATRUM viride. False Hellebore......55

VERNONIA noveboracensis. Ironweed.... .35

DELIVERY ON THE PLANTS LISTED HERE CAN BE MADE IN THE FALL OR SPARNG — THERE ARE MANY MORE NATIVE PLANTS AVAILABLE.

HARDY VINES AND CREEPERS

ADD 25¢ TO EACH ORDER — POSTAGE

DELIVERY: Either during Spring months or in the Autumn; all prices are **postpaid**.

QUANTITY ORDERS: Where any quantity of a single item is wanted, I can make a lower price and ship by express. Small orders for live plants cannot be handled profitably.

SIZE OFFERED: The size of the various plants offered here are for good thrifty plants.

AMPELOPSIS quinquefolia. 40
Virginia Creeper. Clings to walls; 25-75 ft; sun or part shade.

BIGNONIA radicans. 50
Trumpet Creeper. 10-30 ft; fls trumpet-shaped, bright orange to vivid scarlet.

CELASTRUS scandens. 50¢
American Bittersweet. 10-25 ft; woody twiner; attractive orange-colored berries.

CLEMATIS crispa. 55
Curly Clematis. 3-6 ft; purple nodding fls; sun or shade.

—*texensis.* 70
Scarlet Clematis. 4-8 ft; scarlet pitcher-shaped fls; very desirable.

—*virginiana.* 50
Virgin's Bower. 10-30 ft; graceful; fls in whitish clusters; sun or shade.

DIOSCOREA villosa. 35
Yam. 4-8 ft; pale greenish yellow fls in late summer; shade or part; lvs turn yellow in autumn.

EPIGAEA repens. 70
Trailing Arbutus. Ground cover; 4-12"; lvs rounded heart-shaped- evergreen; rich soil; shade.

GALAX aphylla. 35
Evergreen ground cover; 4-12 inches; sun or part shade; lvs bronze bronze.

GAULATHERIA procumbens. 35
Wintergreen. Ground cover; 3-6 inches; lvs shining; bright red edible berry; shade or part shade.

HOUSTONIA sepylifolia. 35
Creeping Bluet. 4-6 inches; deciduous; border or RG; sun or part shade.

IRIS cristata. 40
Crested Iris. Makes good ground cover; fls blue with orange; pretty; bst moved in May.

IRIS verna. 35
Vernal Iris. 4-6 inches; violet-blue fls with yellow center; shade or part shade.

MITCHELLA repens. 40
Partridge Berry. Ground cover; 3-6 in; bright red berries; shade or part.

PACHYSANDRA terminalis. 40
Japanese P. Evergreen, ground cover; 6-9 inches; nice along walks and drives; shade; white terminal fls in spring.

RANUNCULUS repens. 35
Creeping Buttercup. Decid; 4-8 in; lvs white variegated or spotted; deep yellow fls in early sp; semi-shade.

PHLOX stolonifera. 35
Creeping Phlox. 4-12 in; creeping; reddish purple fls in early spring; part shade.

PHLOX subulata. 50
Moss Pink. Fls crimson, pink or nearly white; April-June; sun or part; very pretty ground cover for border or RG.

SEDUM telephoides. 35
Wild Live-for-ever. 6-12 in; flesh colored fls; Aug; dry sunny place.

SEDUM ternatum. 35
Mountain Stone-crop. 2-4 in; handsome creeping ground cover; white fls; shade or part; good RG plant.

SHORTIA galacifolia. 70
Oconee-Bells. Rare ever green ground cover; 3-6 in; lvs like Galax; moist shade place; dainty creamy white fls.

VINCA minor. 30
Common Periwinkle. Evergreen ground cover for sun or part shade.

I list here some uncommonly offered trees and shrubs. No order for less than \$2.00. Shipment made by express charges collect; if items ordered can be sent by parcel post, add 15%, any excess will be refunded. Spring or Autumn delivery.

ARONIA MELANOCARPA.
Black Chokeberry. Splendid shrub; 5-10 ft; very attractive for birds; black berries. 2-3 ft. 60¢; 3-4 ft. 75¢; 3-4 ft (strong) \$1.00.

BETULA PAPPYRIFERA.
Canoe Birch. 50 ft; bark a dull chalky white; graceful and ornamental tree; (II). 1-2 ft. 90¢; 4-6 ft. \$3.75; 3-4 ft (heavy) \$2.50.

CASTANEA PUMILA.
Chinquapin. Showy tree to 25 ft; fls are showy; May-June; edible fruit; sun-shade. 4-6 inch seedlings 30¢; 25 for \$4.00.

COMPTONIA ASPLENIFOLIA.
Sweetfern. 1½-2 ft; lvs fern-like; fls brownish; dry upland; sun or shade. 1½-2 ft. (strong) 60¢; 2-3 ft. (strong) 80¢.

HALESIA TETRAPTERA.
Great Silverbell. 20-40 ft decid. tree; white bell-shaped fls in clusters; May; very showy and hardy. 1-2 ft. (strong) \$1.10.

HAMAMELIS virginiana.
Witch Hazel. 10-20 ft. shrub; lvs turn bright yellow, orange or purple in fall. 6-8 ft. (heavy) \$3.00 each.

LIQUIDAMBAR STYRACIFLUA.
Sweet Gum. Tall tree, shapely and ornamental; lvs turn crimson in autumn. 1-2 ft. (strong) 90¢.

OXYDENDRUM ARBOREUM.
Sourwood Tree. 40 ft; Lily-of-the-Vally like fls; lvs turn to dazzling scarlet tones. 1-2 ft. 70¢; 2-3 ft. 90¢; 3-4 ft. \$1.60. (strong)

MINNESOTA WILD FLOWERS

MINNESOTA NATIVE PLANTS

The following plants are delivered post-paid during the spring and again in the fall, when they are in condition for shipping.

The prices asked are very low and any one wanting these beautiful natives from the far North should order NOW.

AQUILEGIA Canadensis. The American Columbine. Good for the rockery or the border; sun or part shade.

ASARUM CANADENSIS. Wild Ginger. Good ground cover for shady places; if you need a quantity ask for special price.

ARISAEMA TRIPHYLLUM. Jack-in-the Pulpit. A hard-to-find wood plant that should be in every wild garden.

CAULOPHYLLUM THALICTROIDES. Blue Cohosh. Deep blue berries in fall; 2 ft.

CLINTONIA BOREALIS. Bluebeads. Small lily-like bloom in spring; very dark blue berries in the fall; acid soil.

DODECATHEON MEDIA. Shooting Stars. White to rosy purple Cyclamen-like blossoms in the spring.

GERANIUM MACULATUM. Wild Geranium. Rosy pink blooms for the rockery or border; 1 foot high.

HEPATICA TRILOBA. Round Lobed Hepatica. White to deep blue blossoms; acid.

IRIS VERSICOLOR. Blue Flag. For moist places; see Iris list for other species.

MIMULUS RINGENS. Monkey Flower. Blue Snapdragon-like blossoms with yellow centers; 2 feet high.

PARNASSIA PALUSTRIS. Grass Parnassus. White buttercup-like blossoms on slender stems.

POLYGONATUM BIFLORUM. Solomon's Seal. Drooping white bells, followed by nearly black berries.

SANGUINARIA CANADENSIS. Blood Root. White blossoms in early spring; showy leaves until late summer.

TRILLIUM CERNUUM. Nodding Trillium. Drooping white blossoms.

UVULARIA PERFOLIATA. Merrybells. Drooping yellow bells in the spring; easy to grow in the shade. It is good.

VIOLA BLANDA. Sweet White Violet. Fragrant small white Violet for naturalizing in the wild garden.

VIOLA RUGULOSA. Tall Stemmed White Violet. Blooms nearly all summer; ideal for your wild garden, too.

VIOLA CONSPERSA. Dog Violet. Pale blue flowers in early spring; for the wild garden for early flowers.

HARDY FERNS

ATHYRIUM FILIX-FEMINA. Lady Fern.

One of the easiest ferns for shady places in the border or wild garden.

DRYOPTERIS DILATATA. Mountain Fancy Fern. Beautiful evergreen fern; best in moist shady places in the border or in the wild garden or woods.

DRYOPTERIS LINNEANA. Oak Fern. A beautiful tiny six inch fern with branched fronds that should go well in any shady moist place where small ferns would do.

DRYOPTERIS PHEGopteris. Narrow Beech Fern. Arrowhead-shaped fronds on 6-8 inch stems; another fine fern for moist shady places in the border or wild garden.

DRYOPTERIS THELYPTERIS. March Fern. Upright fronds to 18 inches; moist spots in either sun or shade.

PTERETIS NODULOSA. Ostrich Ferns. For sun or shade; a graceful fern growing to 5 feet; a sight in the woods or wild garden where the sun gets thru.

PRICES: On your selection of ANY 6 plants \$2.00; ANY 12 for only \$3.50; or you can select 35 plants any way you wish for only \$9.50; postpaid. Certainly a bargain. Remember these are all HARDY.

NATIVE SHRUBS

AMELANCHIER CANADENSIS. June Berry; a hardy shrub.

ARONIA MELANOCARPA. Black Chokeberry; wild life shrub for food and shelter.

CORNUS ALTERNIFOLIA. Pagoda Dogwood.

CORNUS STOLONIFERA. Red Osier Dogwood.

ILEX VERTICILLATA. Winterberry; a good shelter shrub for wild life.

DIRCA CANADENSIS. Leatherwood. A small plant 6-12 inches high.

SAMBUCUS PUBENS. Red Berried Elder. This is a good shrub for a game shelter as well as for food.

SYMPHORICARPUS RACEMOSUS NANUS. Dwarf Snowberry; a good shrub for difficult embankments.

VIBURNUM DENTATUM. Arrowwood.

VIBURNUM LENTAGO. Nanny Berry.

PRICES: ANY TWO PLANTS for \$1.50 or ANY 6 for only \$3.50; postpaid. If you wish any quantity for planting for bird shelter and food, write for special prices.

HARDY ORCHIDS

CYPRIPEDIUM ACAULE. Pink Moccasin Flower. 85¢ each.

CYPRIPEDIUM PARVIFLORUM. Small Yellow Lady Slipper.....85¢ each.

CYPRIPEDIUM SPECTABILE. Showy Lady Slipper.....85¢ each.

ANY 12 PLANTS OF ABOVE \$8.00. Prepaid.

BEST DWARF BEARDED IRIS

DWARF IRIS

DELIVERY: During June or July.

The Dwarf Bearded Iris has become very popular and next to the Tall Bearded, are the best Iris sellers. They are ideal for edging along walks and in the rockery.

Most of them grow about 8"-10" tall and they should be planted about 12" apart. They flower earlier than the other types of Iris and in the central states, may begin as early as March and by May are through, when the Intermediates and tall types begin to bloom. Their flowers are of the very best colors.

THREE RHIZOMES OF A VARIETY:

Any 50¢ variety 3 for \$1.00; 5 for \$1.60.

ARAMIS. 50¢
A dainty light yellow of quality; 5"; E.

ARENARIA. 50¢
The foliage is grass-like in this variety; the color a fine yellow.

AZUREA. 50¢
A pretty variety in pale blue with beard; second earliest to bloom; 3"; EE.

BLACK MIDGET. 3—\$1.25 Each 50¢
Almost a black color; shows up well against a white background; 9"; M.

BLUE BEARD. 50¢
An unusual color, olive white with purple streaks on the falls; 8"; E.

BLUE JADE. 3—\$1.25 50¢
Large flowered dark blue-purple; 8"; B orange; whole plant has a dark look.

BRIDESMAID. 3—\$1.25 Each 50¢
Pale blue and yellow.

CYANEA. 90¢
S rich lavender; F darker and very showy; B white; 6"; EE.

DIXMUDE. 50¢
A pretty rich violet-purple flower; strong grower; 10"; E.

DR. MANN. 50¢
A very long lasting prolific bloomer; smoky to Petunia-violet color; 6"; M.

EBURNA. 50¢
Lovely whitish yellow; 10 inches; E.

ELF. 3—\$1.25 Each 50¢
A wide petaled red-purple that makes a bold effect in the rockery; 9".

FAIRY. 3—\$1.25 Each 50¢
One of the best "50"; light yellow.

FLORIDA. 50¢
A soft primrose-yellow; very attractive. 6 inches; Early.

GRAMINEA. 50¢
Strong growing rich red toned fragrant

variety; 12 inches; E.

HARBOR LIGHTS. 3—\$1.25 Each 50¢
Light yellow and of the best quality.

LADDIE BOY. 50¢
A rich velvety deep blue; 15"; E.

LITTLE JEWEL. 3—\$1.25 Each 50¢
A pretty white variety with a faint blue cast and olive-green and ochre veins at the haft; E.

LOBELIA. 50¢
A very good dark blue self; 8"; E.

MOROCAIN. 3—\$1.25 Each 50¢
The standards are a clear violet; the falls a pansy-violet; nice.

MIST O'PINK. 60¢
A showy red-pink with flaring falls; one of the best of the Dwarfs; 8"; E.

ORANGE QUEEN. 50¢
A beautiful deep rich yellow; substance very good; fragrant; 6"; E.

PUMILA ATROVIOLOACEA. 50¢
The Easter Iris; very dwarf and strong grower; violet color; 5"; EE.

ROSE MIST. 50¢
A very lovely mauve-pink; popular. 10 inches; early.

SCHNEEKUPPE. 50¢
White with a cream throat; one of the best "50"; 6".

SILVER ELF. 50¢
This has a pretty frilled flower in a silky silver white flushed royal purple on the falls; 10"; E.

SNOW MAIDEN. 50¢
A nice brown-tan blend of colors and a creamy gold beard; 16"; E.

SOCRATES. 50¢
An excellent massing variety; uniform garnet tones; 6"; E.

SPRING SKIES. 50¢
A more vigorous Azurea; 6"; EE.

STEWART. 50¢
A small and dainty yellow self; 6"; EE.

TAMPA. 50¢
Grass-like foliage; dainty; red toned with cream; HM; 10" EE.

TINY TONY. 50¢
Very small variety; red toned; 4"; E.

TONY. 50¢
Richest wine color; orange beard; 3"; E.

VILLEREAL. 50¢
Very nice variegata in old rose; 8"; E.

YELLOW FRILLS. 50¢
A very choice deep yellow dusted gold; frilled flowers; 10"; E.

DWARF IRIS COLLECTION

20 Varieties of above (our selection) for only \$7.00, Postpaid. 10 for \$3.75.

